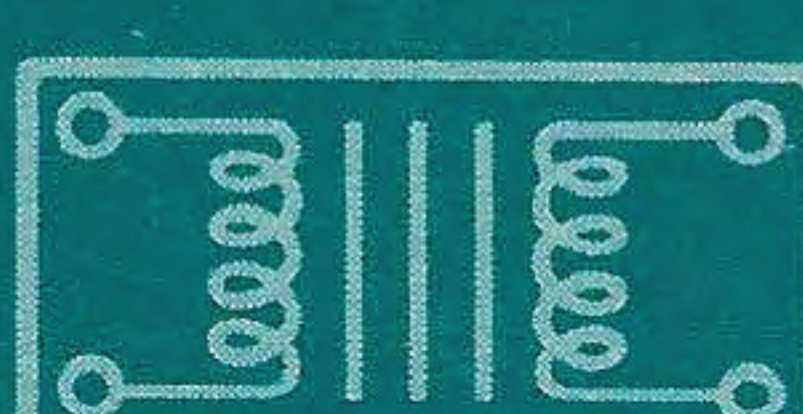
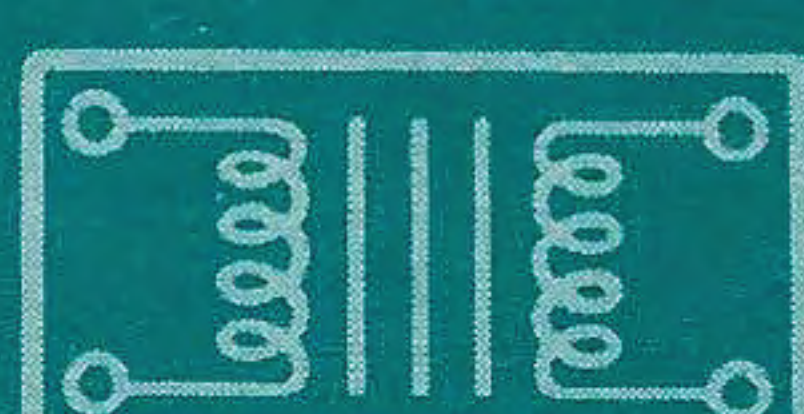
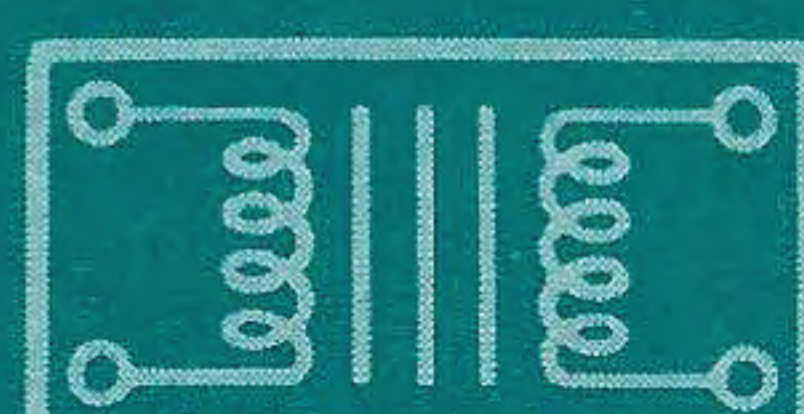
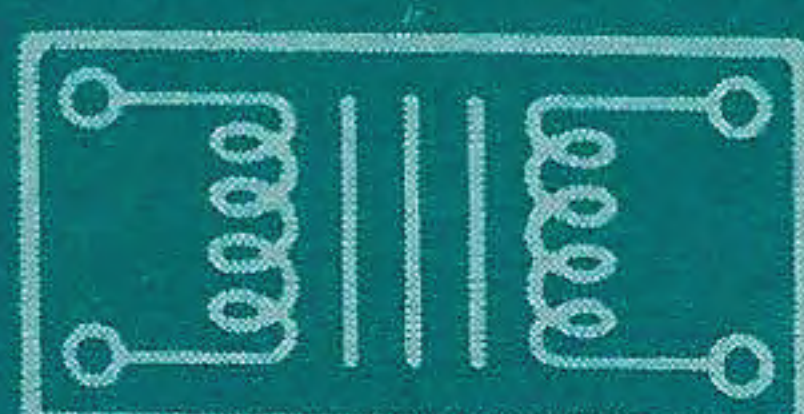
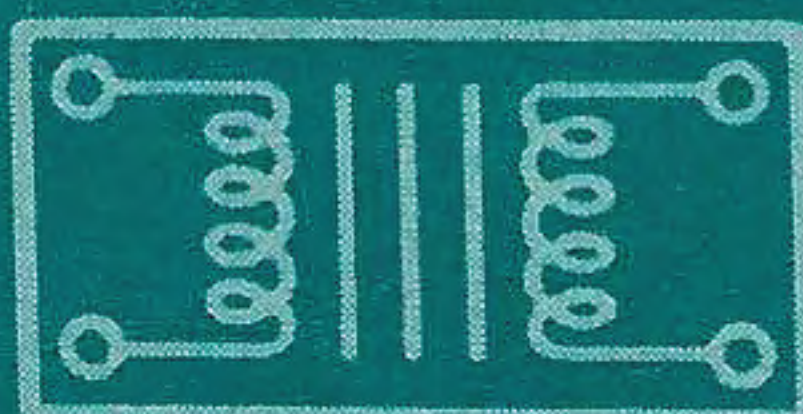
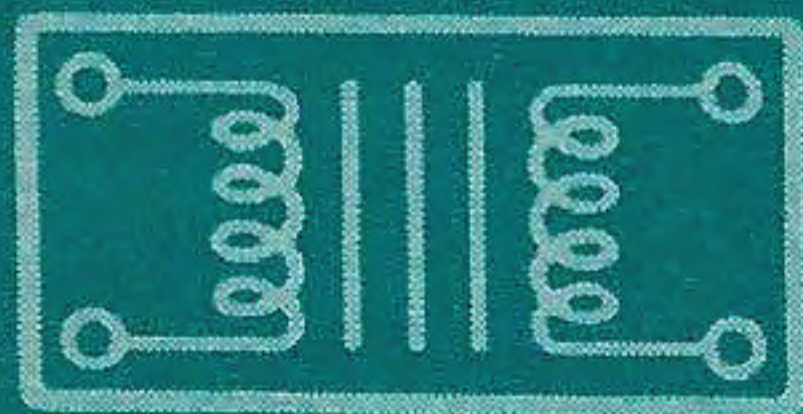
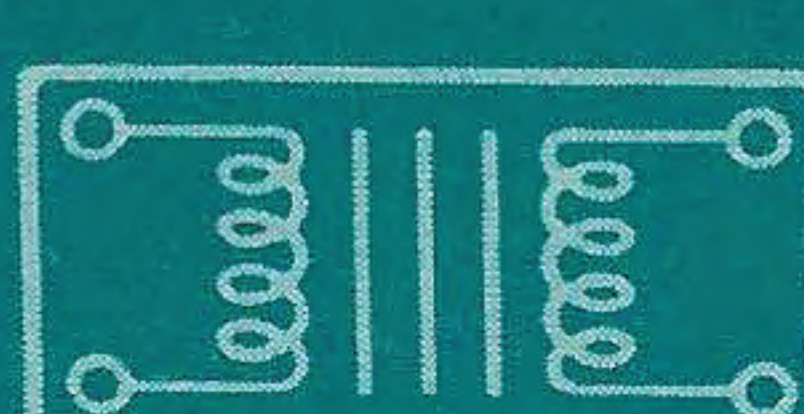
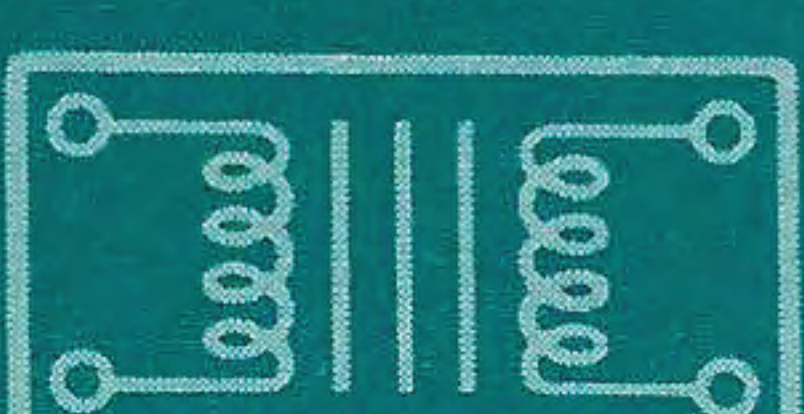
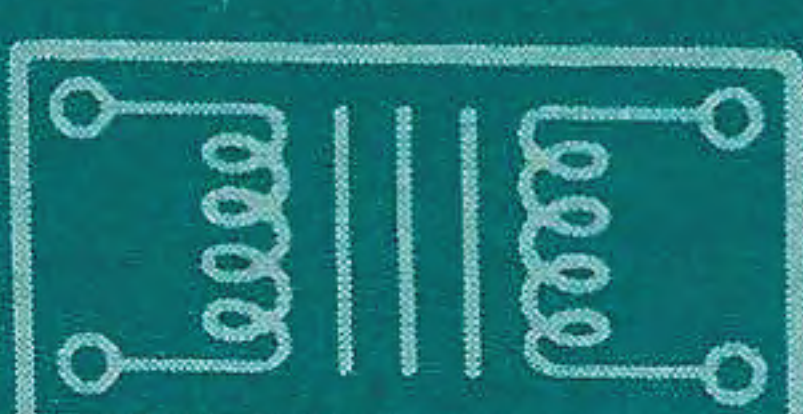
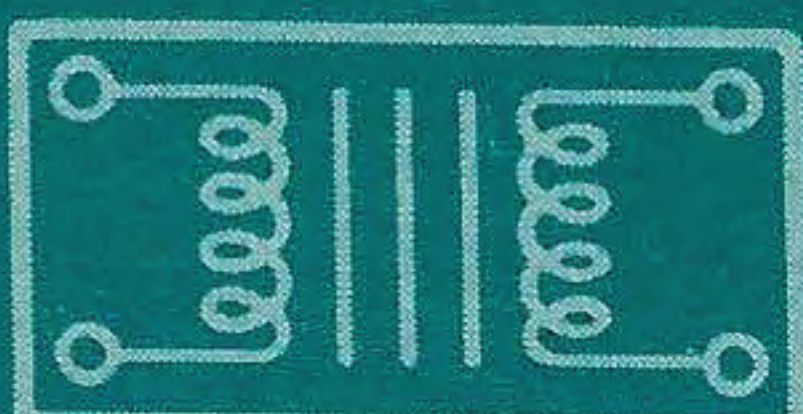




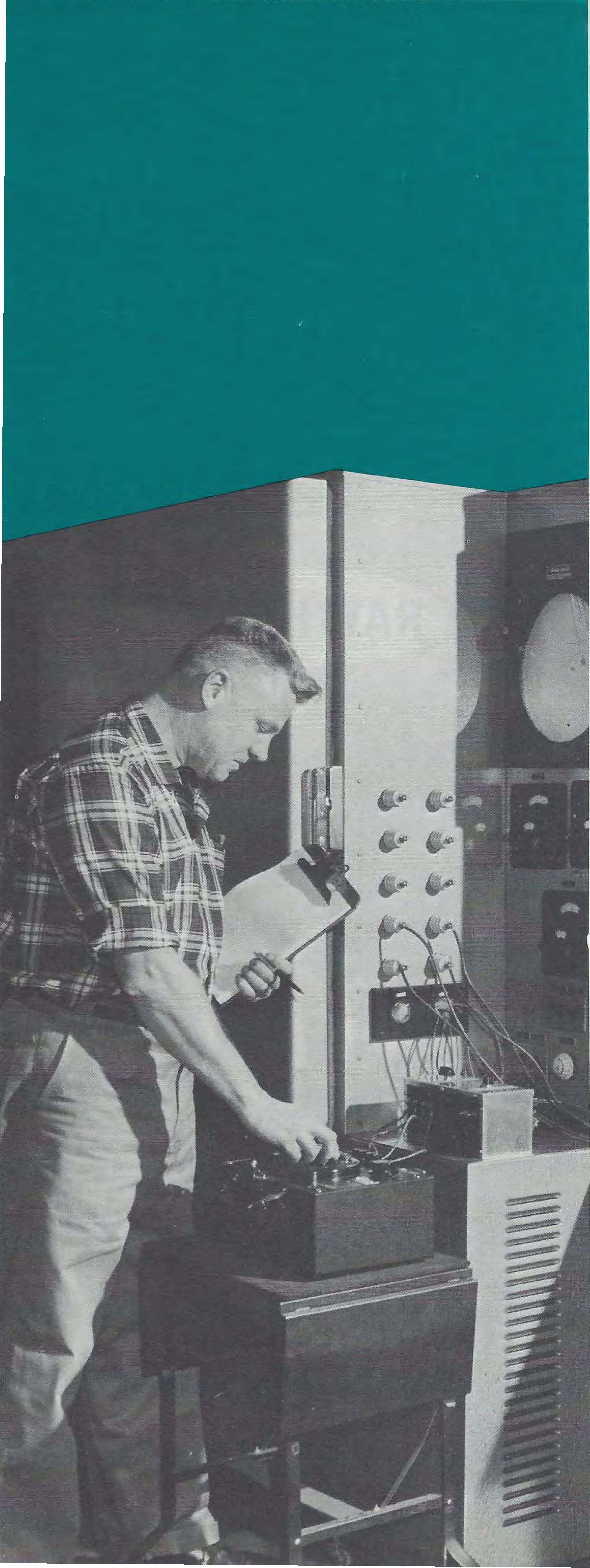
STANDARD
AUTOSPEC



TRANSFORMERS



REACTORS

**RAYTHEON**

MAGNETICS OPERATION

Throughout its 30 year history in the transformer field, Raytheon has made significant contributions to transformer technology. From early developments in voltage stabilizing transformers, through advanced work done on cased, hermetically sealed transformers during World War II, to more recent developments in transformers that meet the severe environmental conditions of the missile age, Raytheon has been a leader in new concepts.

With the introduction of this new catalog line of transformers, Raytheon brings a new perspective to the field of transformer technology. This new concept comes to you after three years of development work based on the belief that mechanical standardization was the only way to meet the increasing price, delivery and reliability demands of the industry.

By taking full advantage of obvious manufacturing economies inherent in standardization, while at the same time recognizing the basic need for flexibility in electrical ratings, Raytheon can now offer a unique approach to the solution of any transformer problem:

Raytheon catalog transformers offer the best price and delivery for transformers that have normal electrical and mechanical requirements.

In this line Raytheon Company has combined proven manufacturing techniques with new construction standards to produce a catalog line of reliable power transformers in three different styles. Whenever possible, design similarities in components for different applications have been recognized in the selection of these standards to reduce costs.

INDEX

INTRODUCTION TO CLASS R CATALOG SECTION	6
Cased, Hermetically Sealed Transformers — 60 Cycles	
Isolation Transformers	7
Filament Transformers	7
Plate and Filament Transformers	8
Filter Inductors	8
Cased, Hermetically Sealed Transformers — 400 Cycles	
Filament Transformers	9
Isolation Transformers	9
Plate and Filament Transformers	9
Filter Inductors	9
Epoxy Encapsulated Transformers — 60 Cycles	
Isolation Transformers	10
Filament Transformers	10
Plate and Filament Transformers	11
Filter Inductors	11
Epoxy Encapsulated Transformers — 400 Cycles	
Isolation Transformers	12
Filament Transformers	12
Plate and Filament Transformers	12
Filter Inductors	12
Open Transformers — 60 Cycles	
Isolation Transformers	13
Filament Transformers	13
Plate Transformers	14
Plate and Filament Transformers	14
Filter Inductors	14
Open and Encapsulated Mechanical Details	21
INTRODUCTION TO HIGH TEMPERATURE CATALOG SECTION	15
Silicone Rubber Encapsulated Transformers — 60 Cycle	
Isolation Transformers	16
Filament Transformers	16
Plate Transformers	16
Plate and Filament Transformers	16
Silicone Rubber Encapsulated Transformers — 400 Cycles	
Isolation Transformers	17
Filament Transformers	17
Plate Transformers	17
Plate and Filament Transformers	17
Silicone Rubber Encapsulated Transformers — Technical Data	23
Cased, High Temperature Transformers — 60 Cycles	
Isolation Transformers	18
Filament Transformers	18
Plate Transformers	18
Plate and Filament Transformers	18
Cased, High Temperature Transformers — 400 Cycles	
Isolation Transformers	19
Filament Transformers	19
Plate Transformers	19
Plate and Filament Transformers	19
Cased, High Temperature Transformers — Technical Data	23
Cased Hermetically Sealed — Mechanical Details	22
LOW POWER PULSE TRANSFORMERS — UX 7307, UX 7307A AND 7350, 7350A	20
Prices	4 & 5

CATALOG NUMBERS	PAGE NO.	LIST PRICE	CATALOG NUMBERS	PAGE NO.	LIST PRICE	CATALOG NUMBERS	PAGE NO.	LIST PRICE
CAF-1	7	\$17.85	CAM-52	9	\$27.69	EAI-52	12	\$10.95
CAF-2	7	22.23	CAM-53	9	30.18	EAI-53	12	13.08
CAF-10	7	17.85	CAM-54	9	20.55	EAI-54	12	21.70
CAF-11	7	19.11	CAM-55	9	32.28	EAI-55	12	25.05
CAF-12	7	23.25	CAM-56	9	54.87	EAI-56	12	34.30
CAF-15	7	17.25	CAM-57	9	48.81	EAI-57	12	53.80
CAF-16	7	20.94	CAM-75	9	46.32	EAM-1	11	17.20
CAF-17	7	21.51	CAR-1	8	12.06	EAM-2	11	18.12
CAF-18	7	22.62	CAR-2	8	11.19	EAM-3	11	20.75
CAF-19	7	25.17	CAR-3	8	12.54	EAM-4	11	20.75
CAF-20	7	24.30	CAR-4	8	12.69	EAM-5	11	25.80
CAF-25	7	23.13	CAR-5	8	13.59	EAM-6	11	25.80
CAF-26	7	23.13	CAR-6	8	13.20	EAM-7	11	25.80
CAF-27	7	23.55	CAR-7	8	15.75	EAM-8	11	29.45
CAF-28	7	29.52	CAR-8	8	18.24	EAM-9	11	30.00
CAF-29	7	29.52	CAR-9	8	17.10	EAM-10	11	37.65
CAF-30	7	23.46	CAR-10	8	18.81	EAM-11	11	44.20
CAF-31	7	28.32	CAR-11	8	18.75	EAM-12	11	48.20
CAF-32	7	39.51	CAR-12	8	25.11	EAM-20	11	46.30
CAF-60	9	13.77	CAR-50	9	7.53	EAM-21	11	49.60
CAF-61	9	15.45	CAR-51	9	7.53	EAM-25	11	20.72
CAF-62	9	16.77	CAR-52	9	7.53	EAM-26	11	25.80
CAF-63	9	20.64	CAR-53	9	7.53	EAM-27	11	29.43
CAI-1	7	13.41	CAR-54	9	8.91	EAM-28	11	30.00
CAI-2	7	14.55	CAR-55	9	8.91	EAM-29	11	36.65
CAI-3	7	18.45	CAR-56	9	8.94	EAM-30	11	44.30
CAI-4	7	23.64	CAR-57	9	8.94	EAM-31	11	50.60
CAI-5	7	40.80	CAR-58	9	12.06	EAM-50	12	20.00
CAI-6	7	55.59	CAR-59	9	13.59	EAM-51	12	18.00
CAI-50	9	10.26	EAF-1	10	14.59	EAM-52	12	21.00
CAI-51	9	11.76	EAF-2	10	17.18	EAM-53	12	22.12
CAI-52	9	13.41	EAF-10	10	14.40	EAM-54	12	22.12
CAI-53	9	18.69	EAF-11	10	15.31	EAM-55	12	27.55
CAI-54	9	23.91	EAF-12	10	19.90	EAM-56	12	43.25
CAI-55	9	27.84	EAF-15	10	12.28	EAM-57	12	39.85
CAI-56	9	35.61	EAF-16	10	15.18	EAM-75	12	39.25
CAI-57	9	55.59	EAF-17	10	17.18	EAR-1	11	8.71
CAM-1	8	20.85	EAF-18	10	26.30	EAR-2	11	8.71
CAM-2	8	23.82	EAF-19	10	19.88	EAR-3	11	8.42
CAM-3	8	21.84	EAF-20	10	17.89	EAR-4	11	9.34
CAM-4	8	27.93	EAF-25	10	16.75	EAR-5	11	9.24
CAM-5	8	18.66	EAF-26	10	16.75	EAR-6	11	11.18
CAM-6	8	29.88	EAF-27	10	18.60	EAR-7	11	9.78
CAM-7	8	18.66	EAF-28	10	24.95	EAR-8	11	13.45
CAM-8	8	31.68	EAF-29	10	24.95	EAR-9	11	13.45
CAM-9	8	30.75	EAF-30	10	19.35	EAR-10	11	15.00
CAM-10	8	36.54	EAF-31	10	22.00	EAR-11	11	18.40
CAM-11	8	39.72	EAF-32	10	32.25	EAR-12	11	22.10
CAM-12	8	49.05	EAF-60	12	13.19	EAR-50	12	7.25
CAM-20	8	42.57	EAF-61	12	13.08	EAR-51	12	7.25
CAM-21	8	53.52	EAF-62	12	15.20	EAR-52	12	7.25
CAM-25	8	27.93	EAF-63	12	15.79	EAR-53	12	6.31
CAM-26	8	29.91	EAI-1	10	10.92	EAR-54	12	8.19
CAM-27	8	33.99	EAI-2	10	11.68	EAR-55	12	8.19
CAM-28	8	35.82	EAI-3	10	14.80	EAR-56	12	8.19
CAM-29	8	43.86	EAI-4	10	20.21	EAR-57	12	7.31
CAM-30	8	44.70	EAI-5	10	39.55	EAR-58	12	8.71
CAM-31	8	56.91	EAI-6	10	53.75	EAR-59	12	9.52
CAM-50	9	26.25	EAI-50	12	9.45	HF-10	18	104.00
CAM-51	9	27.72	EAI-51	12	10.80	HF-15	18	85.50

CATALOG NUMBERS	PAGE NO.	LIST PRICE	CATALOG NUMBERS	PAGE NO.	LIST PRICE	CATALOG NUMBERS	PAGE NO.	LIST PRICE
HF-16	18	\$90.00	OAF-19	13	\$19.20	SF-15	16	\$38.50
HF-17	18	122.00	OAF-20	13	8.65	SF-16	16	50.50
HF-18	18	137.00	OAF-21	13	10.10	SF-17	16	60.75
HF-19	18	153.00	OAF-22	13	13.40	SF-20	16	80.00
HF-25	18	117.00	OAF-25	13	11.75	SF-25	16	41.30
HF-26	18	131.00	OAF-26	13	15.75	SF-26	16	54.10
HF-27	18	169.00	OAF-27	13	13.40	SF-27	16	69.10
HF-28	18	184.00	OAF-28	13	21.00	SF-29	16	92.90
HF-68	19	85.50	OAF-30	13	11.80	SF-30	16	55.00
HF-70	19	109.00	OAF-31	13	11.90	SF-50	17	32.50
HF-71	19	90.00	OAF-32	13	15.00	SF-60	17	37.00
HF-72	19	122.00	OAF-35	13	14.70	SF-70	17	41.50
HF-73	19	137.00	OAF-36	13	20.00	SF-71	17	50.50
HF-75	19	95.00	OAF-37	13	19.80	SF-72	17	60.75
HF-76	19	99.00	OAI-1	13	7.10	SF-75	17	36.25
HF-77	19	127.00	OAI-2	13	7.75	SF-76	17	40.00
HF-78	19	152.00	OAI-3	13	10.10	SF-77	17	88.10
HF-79	19	162.00	OAI-4	13	12.25	SF-78	17	49.40
HF-80	19	150.00	OAI-5	13	24.00	SF-79	17	59.00
HF-81	19	178.00	OAI-6	13	33.60	SF-80	17	98.20
HI-1	18	81.00	OAM-1	14	12.85	SF-81	17	70.50
HI-2	18	85.00	OAM-2	14	14.15	SI-1	16	40.60
HI-3	18	104.00	OAM-3	14	14.20	SI-2	16	49.50
HI-4	18	118.00	OAM-4	14	15.95	SI-3	16	60.00
HI-5	18	133.00	OAM-5	14	18.15	SI-4	16	82.00
HI-6	18	148.00	OAM-25	14	10.95	SI-50	17	32.50
HI-50	19	81.00	OAM-26	14	13.95	SI-51	17	36.25
HI-51	19	85.00	OAM-27	14	15.05	SI-52	17	40.60
HI-52	19	104.00	OAM-28	14	17.40	SI-53	17	49.50
HI-53	19	118.00	OAM-29	14	18.15	SI-54	17	60.00
HI-54	19	133.00	OAM-30	14	18.10	SI-55	17	82.00
HI-55	19	148.00	OAM-31	14	19.00	SM-1	16	55.00
HM-1	18	118.00	OAM-32	14	17.05	SM-2	16	70.00
HM-2	18	132.00	OAM-33	14	20.30	SM-25	16	55.00
HM-3	18	147.00	OAP-25	14	13.40	SM-26	16	65.75
HM-4	18	177.00	OAP-26	14	14.65	SM-27	16	88.00
HM-50	19	85.50	OAP-27	14	20.30	SM-28	16	92.50
HM-51	19	90.00	OAP-28	14	20.25	SM-50	17	36.10
HM-52	19	118.00	OAP-29	14	22.70	SM-51	17	40.00
HM-53	19	132.00	OAP-30	14	21.95	SM-52	17	49.40
HM-54	19	147.00	OAP-31	14	26.00	SM-53	17	63.50
HM-55	19	177.00	OAP-32	14	33.85	SM-54	17	75.00
HP-1	18	109.00	OAP-33	14	35.30	SM-55	17	98.20
HP-2	18	112.00	OAR-1	14	3.55	SP-1	16	50.40
HP-3	18	137.00	OAR-2	14	3.65	SP-2	16	60.80
HP-4	18	153.00	OAR-3	14	4.40	SP-3	16	83.00
HP-50	19	85.50	OAR-4	14	4.40	SP-4	16	83.00
HP-51	19	90.00	OAR-5	14	5.40	SP-50	17	33.30
HP-52	19	109.00	OAR-6	14	4.40	SP-51	17	36.90
HP-53	19	122.00	OAR-7	14	4.75	SP-52	17	41.60
HP-54	19	137.00	OAR-8	14	5.35	SP-53	17	50.20
HP-55	19	153.00	OAR-9	14	5.35	SP-54	17	60.90
OAF-1	13	5.60	OAR-10	14	6.15	SP-55	17	80.00
OAF-2	13	7.60	OAR-11	14	7.35	SPECIAL DESIGNS UX 7307 UX 7307A UX 7350 UX 7350A		
OAF-10	13	6.15	OAR-12	14	6.95			
OAF-11	13	7.50	OAR-13	14	11.05			
OAF-12	13	8.25	OAR-14	14	14.20			
OAF-13	13	10.95	OAR-15	14	14.20			
OAF-16	13	8.30	SF-10	16	49.50	20	10.00	10.00
OAF-17	13	7.90	SF-11	16	60.00	20	10.00	10.00

Terminals used on the hermetically sealed units are equipped with Raytheon patented, compression type terminals. A tight, dependable seal is assured even under class S conditions by the use of a special silicone rubber, dimensionally stable from -100°F to $+400^{\circ}\text{F}$. The cushioning effect of the rubber also makes these terminals resistant to breakage.

The encapsulation process used in this line achieves a high degree of penetration to insure compliance with the moisture resistance requirement of MIL-T-27A. Our rugged, encapsulated units should be considered for applications where size and weight are important along with the ability to withstand difficult environmental conditions.

Our "open" type units were designed for use where moisture resistance and the operating environment do not present a problem. Raytheon's manufacturing techniques and the use of only highest grade materials provide units superior to other commercial grade transformers. Vacuum varnish impregnation insulates these units from normal atmospheric conditions while providing added rigidity.

All units of this line are available for either 60 or 400 cycle operation and include an electrostatic shield between the primary and secondary coils.

CASED, HERMETICALLY SEALED UNITS

MIL-T-27A Grade: 1 or 4 Life: X
 Class: R (105°C maximum operating temp.)
 Standard MIL-T-27A Case Sizes
 Painted light gray to MIL-E-15090B
 Raytheon compression terminals located for through chassis mounting.

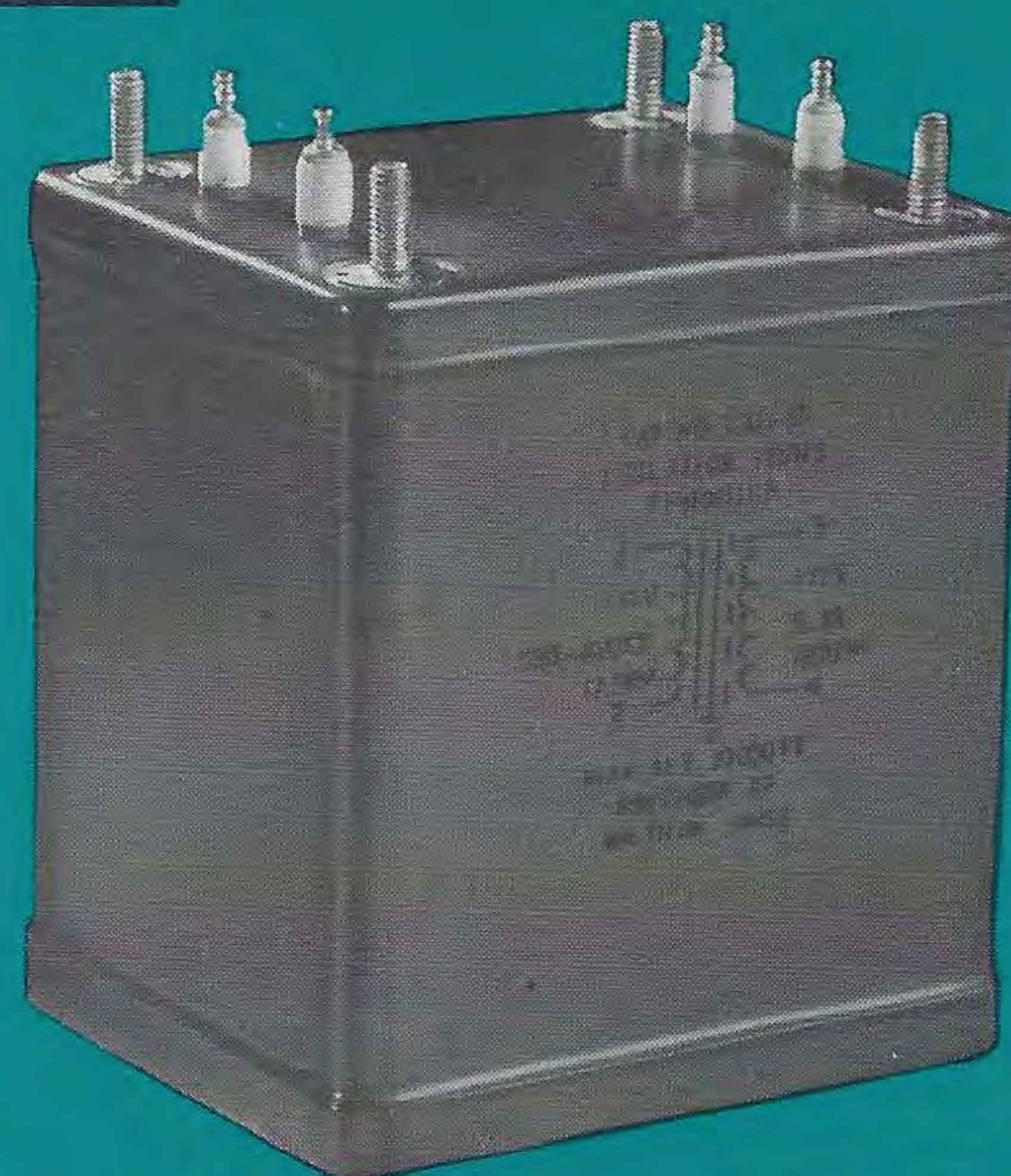
EPOXY ENCAPSULATED UNITS

MIL-T-27A Grade: 2 or 5 Life: X
 Class: R (105°C maximum operating temp.)
 Dip Encapsulated, with black
 Semi-gloss finish, approximately 20%
 Lighter than comparable cased units

OPEN UNITS

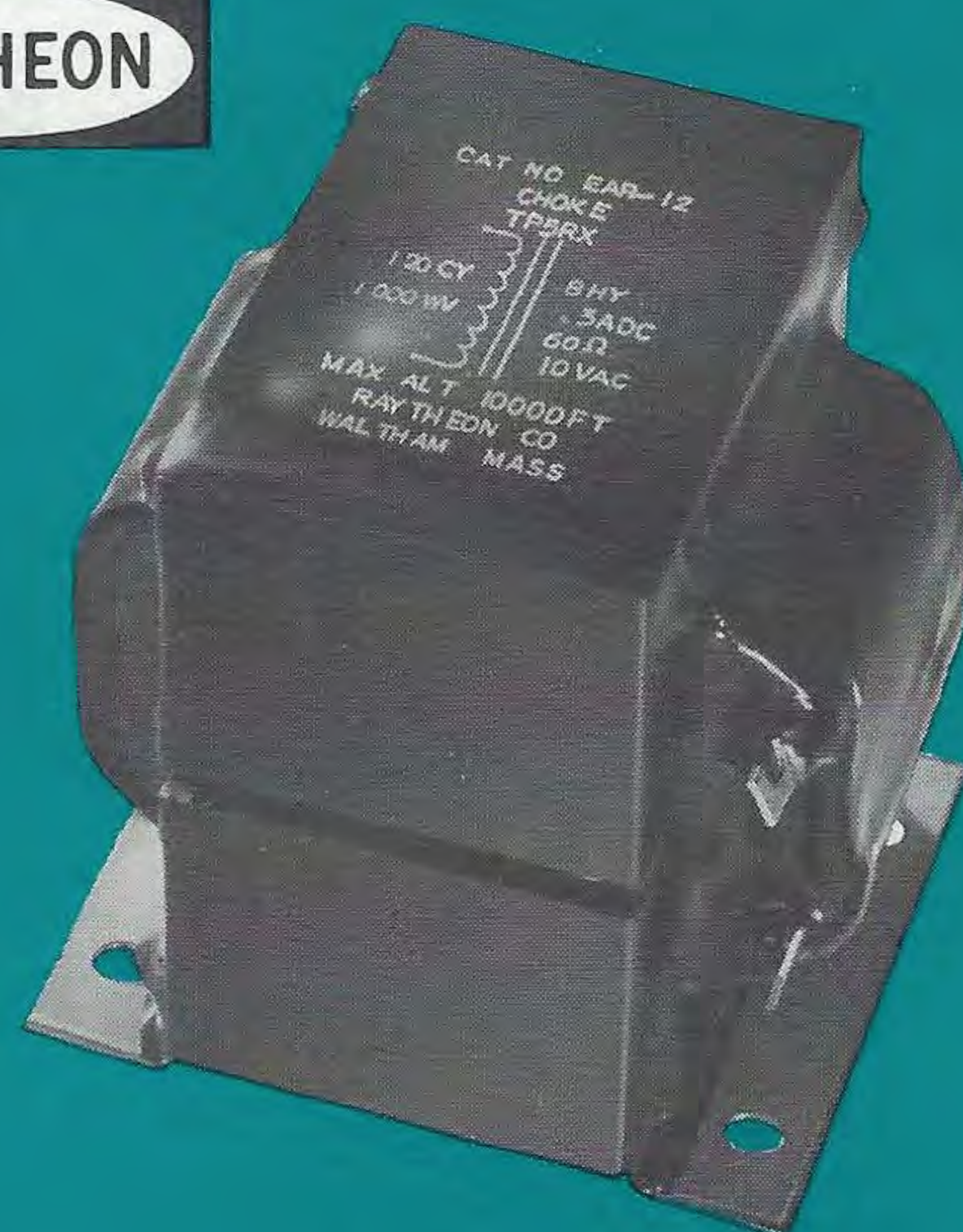
High Grade Commercial Construction,
 vacuum varnish impregnated for
 superior moisture resistance
 properties

RAYTHEON



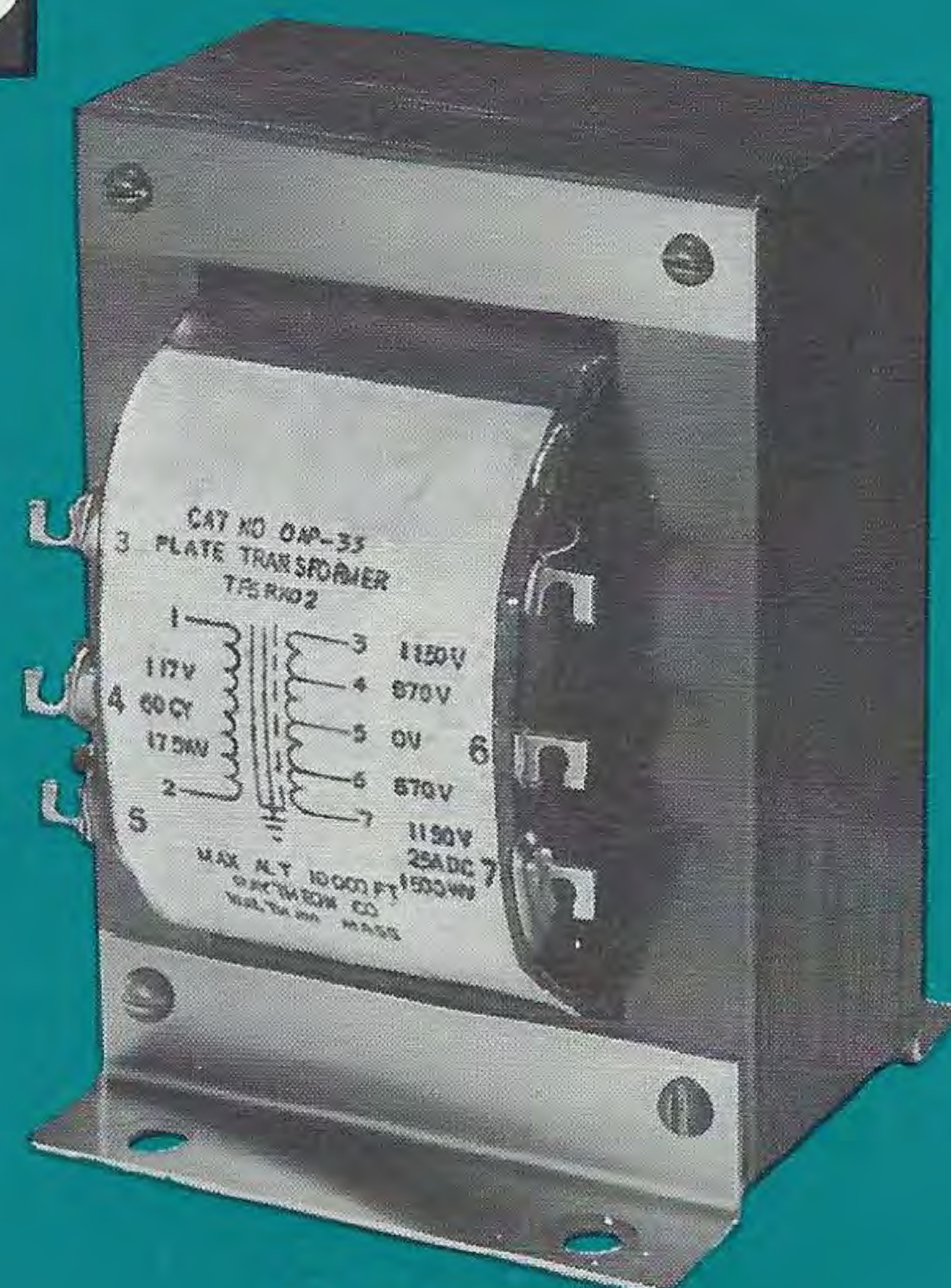
Cased, Hermetically Sealed

RAYTHEON



Epoxy Encapsulated

RAYTHEON



Open

CASED, HERMETICALLY SEALED — 60 CYCLES 105°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS — TF4RX01

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Mil. Case	Secondary			Net Wgt.	Dimensions			Mounting Dimensions	
			Volts	Amps	Test Volts		L	W	H		
CAI-1	45	EB	117	.100	2500	1 1/8	1 15/16	1 13/16	2 7/16	1 3/8 × 1 1/4	
CAI-2	51	FA	117	.25	2500	1 7/8	2 5/16	2 1/16	3 1/8	1 11/16 × 1 7/16	
CAI-3	58	HB	117	.50	2500	3 5/8	3 1/16	2 5/8	3 3/16	2 19/64 × 1 55/64	
CAI-4	67	JA	117	1.0	2500	6 7/8	3 9/16	3 1/16	4 7/8	2 5/8 × 2 1/8	
CAI-5	77	NB	117	2.5	2500	17 1/2	5 1/4	4 5/16	5 1/2	4 1/16 × 3 5/16	
CAI-6	82	OA	117	4.0	2500	22	5 1/2	4 1/2	6 3/4	3 3/4 × 3	

FILAMENT TRANSFORMERS — SINGLE SECONDARY — TF4RX01

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 115/230 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Mil. Case	Secondary			Net Wgt.	Dimensions			Mounting Dimensions	Regulation
			Volts	Amps	Test Volts		L	W	H		
CAF- 1	45	EA	2.5 ct	6	3000	1 1/4	1 15/16	1 13/16	2 3/4	1 3/8 × 1 1/4	32%
CAF- 2	56	GA	2.5 ct	14	5000	3	2 3/4	2 3/8	3 13/16	2 1/8 × 1 3/4	16%
CAF-10	45	EA	5 ct	3	2500	1 1/4	1 15/16	1 13/16	2 3/4	1 3/8 × 1 1/4	30%
CAF-11	51	FA	5 ct	6	2500	1 7/8	2 5/16	2 1/16	3 1/8	1 11/16 × 1 7/16	25%
CAF-12	62	HA	5 ct	12	5000	4 1/4	3 1/16	2 5/8	4 1/4	2 19/64 × 1 55/64	12.5%
CAF-15	45	EA	6.3 ct	2.5	2500	1 1/4	1 15/16	1 13/16	2 3/4	1 3/8 × 1 1/4	31%
CAF-16	51	FA	6.3 ct	5	2500	1 7/8	2 5/16	2 1/16	3 1/8	1 11/16 × 1 7/16	20%
CAF-17	56	GA	6.3 ct	7.5	2500	3	2 3/4	2 3/8	3 13/16	2 1/8 × 1 3/4	15%
CAF-18	58	HB	6.3 ct	10	2500	3 5/8	3 1/16	2 5/8	3 3/16	2 19/64 × 1 55/64	12%
CAF-19	62	HA	6.3 ct	12	2500	4 1/4	3 1/16	2 5/8	4 1/4	2 19/64 × 1 55/64	11%
CAF-20	53	GB	10 ct	4	2500	2 3/8	2 3/4	2 3/8	2 13/16	2 1/8 × 1 3/4	30%

FILAMENT TRANSFORMERS — MULTIPLE SECONDARIES — TF4RX01

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 105/115/125

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Mil. Case	Secondary 1		Secondary 2		Secondary 3		Secondary Test Volts	Net Wgt.	Dimensions			
			Volts	Amps	Volts	Amps	Volts	Amps			L	W	H	Reg
CAF-25	51	FA	5	2	6.3 ct	2.5			2500	1 7/8	2 5/16	2 1/16	3 1/8	21%
CAF-26	51	FA	5	2	12.6 ct	1.25			2500	1 7/8	2 5/16	2 1/16	3 1/8	21%
CAF-27	56	GA	5	3	6.3 ct	4.5			2500	3	2 3/4	2 3/8	3 13/16	16%
CAF-28	62	HA	5	3	6.3 ct	4	6.3 ct	4	2500	4 1/4	3 1/16	2 5/8	4 1/4	12%
CAF-29	62	HA	5	3	6.3 ct	2	6.3 ct	6	2500	4 1/4	3 1/16	2 5/8	4 1/4	12%
CAF-30	56	GA	6.3 ct	3.5	6.3 ct	3.5			2500	3	2 3/4	2 3/8	3 13/16	16%
CAF-31	62	HA	6.3 ct	5	6.3 ct	5			2500	4 1/4	3 1/16	2 5/8	4 1/4	11%
CAF-32	67	JA	5	4	5	4	5	8	5000	6 7/8	3 9/16	3 1/16	4 7/8	11%

‡ Ratings are based on 60 cycle operation

see page 21-23 for additional technical details

CASED, HERMETICALLY SEALED — 60 CYCLES 105°C MAXIMUM OPERATING TEMPERATURE

PLATE AND FILAMENT TRANSFORMERS — TF4RX03

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

CAPACITOR INPUT FILTER

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size	Mil. Code	Case	High-Voltage Secondary		Filament 1		Filament 2		Additional Filaments		Net Wgt.	Dimensions		
				Volts, RMS	Approx. D.C. Volts	D.C. MA	Volts	Amps	Volts	Amps	Volts	Amps	L	W	H
CAM- 1	45	EA	250-0-250		320	10	6.3	.6	6.3	1.0			1 1/4	1 5/16	1 3/16
CAM- 2	51	FA	250-0-250		300	20	6.3	.9	6.3	1.5			1 7/8	2 5/16	2 1/16
CAM- 3	56	GA	300-0-300		350	35	5	2	6.3 ct	2			3	2 3/4	2 3/8
CAM- 4	56	GA	225-0-225		210	50	5	2	6.3 ct	2			3	2 3/4	2 3/8
CAM- 5	62	HA	375-0-375		320	55	5	2.5	6.3 ct	3.5			4 1/4	3 1/16	2 5/8
CAM- 6	62	HA	300-0-300		285	75	5	2.5	6.3 ct	3.5			4 1/4	3 1/16	2 5/8
CAM- 7	62	HA	325-0-325		320	80	5	2	6.3 ct	3			4 1/4	3 1/16	2 5/8
CAM- 8	64	JB	350-0-350		320	105	5	2	6.3 ct	3.5			5	3 9/16	3 1/16
CAM- 9	67	JA	375-0-375		380	120	5	3	6.3 ct	4			6 7/8	3 9/16	3 1/16
CAM-10	70	KB	375-0-375		380	150	5	3	6.3 ct	4	6.3 ct	2	8 1/4	3 5/16	3 3/8
CAM-11	73	LB	400-0-400		390	220	5	3	6.3 ct	5	6.3 ct	2	11 1/4	4 5/16	3 11/16
CAM-12	75	MA	400-80-0-80-400		410	250	5	6	6.3 ct	7	6.3 ct	2	15 5/8	4 11/16	4
CAM-20	73	LB	450-0-450		450	190	5	2	6.3	.6	6.3	4	11 1/4	4 5/16	3 11/16
											6.3	4			
CAM-21	73	LB	440-0-440		440	350	5	3	6.3	.6	6.3	3	11 1/4	4 5/16	3 11/16
											6.3	3			

PLATE AND FILAMENT TRANSFORMERS — TF4RX03

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

CHOKE INPUT FILTER

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size	Mil. Code	Case	High-Voltage Secondary		Filament 1		Filament 2		Additional Filaments		Net Wgt.	Dimensions		
				Volts, RMS	Approx. D.C. Volts	D.C. MA	Volts	Amps	Volts	Amps	Volts	Amps	L	W	H
CAM-25	56	GA	350-0-350		300	50	5	2	6.3 ct	2			3	2 3/4	2 3/8
CAM-26	62	HA	425-0-425		360	75	5	2	6.3 ct	3			4 1/4	3 1/16	2 5/8
CAM-27	64	JB	450-0-450		380	100	5	2	6.3 ct	4			5	3 9/16	3 1/16
CAM-28	67	JA	500-0-500		420	110	5	3	6.3 ct	4			6 7/8	3 9/16	3 1/16
CAM-29	70	KB	500-0-500		420	150	5	3	6.3 ct	4	6.3 ct	1	8 1/4	3 5/16	3 3/8
CAM-30	73	LB	520-0-520		450	200	5	4	6.3 ct	5	6.3 ct	2	11 1/4	4 5/16	3 11/16
CAM-31	75	MB	550-370-75-0-75-370-550		480	250	5	5	6.3 ct	5	6.3 ct	1	14 3/4	4 11/16	4

FILTER INDUCTORS — TF4RX04

120 CYCLES
10 VOLTS RMS

Tolerance on Inductance +50%, -20%.

65°C AMBIENT
10,000 FT. ALTITUDE

Catalog Number	Size	Mil. Code	Inductance Henries	Amp D.C.	D.C. Resistance Ohms	Test Volts	Net Wgt.	Dimensions			Mounting Dimensions
								L	W	H	
CAR- 1	45	EB	10	055	230	2500	1 1/8	1 5/16	1 13/16	2 7/16	1 3/8 × 1 1/4
CAR- 2	45	EB	15	055	420	2500	1 1/8	1 5/16	1 13/16	2 7/16	1 3/8 × 1 1/4
CAR- 3	48	FB	10	085	175	2500	1 1/2	2 5/16	2 1/16	2 1/2	1 11/16 × 1 7/16
CAR- 4	48	FB	15	085	285	2500	1 1/2	2 5/16	2 1/16	2 1/2	1 11/16 × 1 7/16
CAR- 5	51	FA	8	100	100	2500	1 7/8	2 5/16	2 1/16	3 3/8	1 11/16 × 1 7/16
CAR- 6	53	GB	12	100	170	2500	2 3/8	2 3/4	2 3/8	2 13/16	2 1/8 × 1 3/4
CAR- 7	56	GA	8	150	100	2500	3	2 3/4	2 3/8	3 13/16	2 1/8 × 1 3/4
CAR- 8	58	HB	12	150	150	2500	3 5/8	3 1/16	2 5/8	3 3/16	2 19/64 × 1 55/64
CAR- 9	58	HB	8	200	85	2500	3 5/8	3 1/16	2 5/8	3 3/16	2 19/64 × 1 55/64
CAR-10	62	HA	12	200	140	2500	4 1/4	3 1/16	2 5/8	4 1/4	2 19/64 × 1 55/64
CAR-11	64	JB	8	250	90	2500	5	3 9/16	3 1/16	3 3/8	2 5/8 × 2 1/8
CAR-12	70	KB	8	300	60	2500	8 1/4	3 15/16	3 3/8	4 5/16	3 × 2 7/16

‡ Ratings are based on 60 cycle operation

see page 21-23 for additional technical details

CASED, HERMETICALLY SEALED — 400 CYCLES

105°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS — TF4RX01

SINGLE PHASE
380-420 CYCLES
PRIMARY: 117 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Mil. Case	Secondary			Net Wgt.	Dimensions			Mounting Dimensions
			Volts	Amps	Test Volts		L	W	H	
CAI-50	30	AH	117	.10	2500	1/2	1 5/8	1 5/8	1 3/4	1 1/4" Diagonal
CAI-51	39	AJ	117	.25	2500	7/8	1 5/8	1 5/8	2 3/8	1 3/16 × 1 3/16
CAI-52	45	EB	117	.50	2500	1 1/8	1 15/16	1 13/16	2 7/16	1 3/8 × 1 1/4
CAI-53	56	GA	117	1.0	2500	3	2 3/4	2 3/8	3 13/16	2 1/8 × 1 3/4
CAI-54	67	JA	117	2.5	2500	6 7/8	3 9/16	3 1/16	4 7/8	2 5/8 × 2 1/8
CAI-55	70	KB	117	3.5	2500	8 1/4	3 15/16	3 3/8	4 5/16	3 × 2 7/16
CAI-56	75	MB	117	5.0	2500	14 3/4	4 11/16	4	4 15/16	3 11/16 × 3
CAI-57	82	OA	117	9.0	2500	22	5 1/2	4 1/2	6 3/4	3 3/4 × 3

FILAMENT TRANSFORMERS — TF4RX01

SINGLE PHASE
380-420 CYCLES
PRIMARY: 105/115/125 VOLTS

*PRIMARY VOLTAGE 105/115

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Mil. Case	Secondary			Net Wgt.	Dimensions			Mounting Dimensions	Regulation
			Volts	Amps	Test Volts		L	W	H		
CAF-60	39	AJ	6.3	3	2000	7/8	1 5/8	1 5/8	2 3/8	1 3/16 × 1 3/16	8%
*CAF-61	45	EB	6.3	5.5	2000	1 1/8	1 15/16	1 13/16	2 7/16	1 3/8 × 1 1/4	6%
*CAF-62	48	FB	6.3	10	2000	1 1/2	2 5/16	2 1/16	2 1/2	1 11/16 × 1 7/16	5%
CAF-63	56	GA	6.3	20	2000	3	2 3/4	2 3/8	3 13/16	2 1/8 × 1 3/4	4%

PLATE AND FILAMENT TRANSFORMERS — TF4RX03

SINGLE PHASE
380-420 CYCLES
PRIMARY: 105/115/125 VOLTS

CAPACITOR INPUT FILTER
*CHOKER INPUT FILTER

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Mil. Case	High-Voltage Secondary			Filament 1		Filament 2		Additional Filaments		Net Wgt.	Dimensions			
			Volts, RMS	Approx. DC V	DC MA	Volts	Amps	Volts	Amps	Volts	Amps		L	W	H	Reg
CAM-50	45	EA	270-0-270	360	50	5	2	6.3 ct	2			1 1/4	1 15/16	1 13/16	2 3/4	6%
CAM-51	51	FA	335-0-335	450	65	5	2	6.3 ct	2			1 7/8	2 5/16	1 1/16	3 3/8	5%
CAM-52	51	FA	330-0-330	320	85	5	2	6.3 ct	3			1 7/8	2 5/16	2 1/16	3 1/8	4%
CAM-53	56	GA	345-0-345	480	105	5	2	6.3 ct	3.5			3	2 3/4	2 3/8	3 13/16	4%
CAM-54	56	GA	335-0-335	375	120	5	3	6.3 ct	2			3	2 3/4	2 3/8	3 13/16	4%
CAM-55	62	HA	370-0-370	375	150	5	3	6.3 ct	4			4 1/4	3 1/16	2 5/8	4 1/4	4%
CAM-56	67	JA	440-0-440	560	165	5	2	6.3 ct	7.5	6.3 ct	3	6 7/8	3 9/16	3 1/16	4 7/8	4%
										6.3 ct	3					
										6.3 ct	.6					
CAM-57	67	JA	450-0-450	600	200	5	2	6.3 ct	.6	6.3 ct	4	6 7/8	3 9/16	3 1/16	4 7/8	3%
										6.3 ct	4					
*CAM-75	70	KB	550-0-550	480	350	5	6	6.3 ct	5	6.3 ct	1	8 1/4	3 15/16	3 3/8	4 5/16	2%

FILTER INDUCTORS — TF4RX04

800 CYCLES
10 VOLTS RMS

Tolerance on Inductance +50%, -20%.

65°C AMBIENT
10,000 FT. ALTITUDE

Catalog Number	Size Code	Mil. Case	Inductance Henries ±20%	Amp D.C.	D.C. Resistance Ohms	Test Volts	Net Wgt.	Dimensions			Mounting Dimensions
								L	W	H	
CAR-50	30	AH	2	.040	190	1150	1/2	1 5/16	1 5/16	1 3/4	1 1/4 × Diag.
CAR-51	30	AH	2	.055	160	1150	1/2	1 5/16	1 5/16	1 3/4	1 1/4 × Diag.
CAR-52	30	AH	2	.070	170	1150	1/2	1 5/16	1 5/16	1 3/4	1 1/4 × Diag.
CAR-53	30	AH	2	.085	135	1150	1/2	1 5/16	1 5/16	1 3/4	1 1/4 × Diag.
CAR-54	39	AJ	2	.105	110	1150	7/8	1 5/8	1 5/8	2 3/8	1 3/16 × 1 3/16
CAR-55	39	AJ	2	.120	100	1250	7/8	1 5/8	1 5/8	2 3/8	1 3/16 × 1 3/16
CAR-56	39	AJ	2	.150	95	1250	7/8	1 5/8	1 5/8	2 3/8	1 3/16 × 1 3/16
CAR-57	39	AJ	2	.165	90	1250	7/8	1 5/8	1 5/8	2 3/8	1 3/16 × 1 3/16
CAR-58	45	EB	2	.200	75	1750	1 1/8	1 15/16	1 13/16	2 7/16	1 3/8 × 1 1/4
CAR-59	51	FA	2	.300	50	1750	1 7/8	2 5/16	2 1/16	3 1/8	1 11/16 × 1 7/16

see page 21-23 for additional technical details

EPOXY ENCAPSULATED — 60 CYCLES

105°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS — TF5RX01

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary			Net Wgt.	Dimensions			Mounting Dimensions
		Volts	Amps	Test Volts		L	W	H	
EAI-1	45	117	.100	2500	1	2¼	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆
EAI-2	51	117	.25	2500	1½	2 ⁷ / ₁₆	2½	2¼	1½ × 1 ⁵ / ₈
EAI-3	58	117	.50	2500	3¼	2 ⁷ / ₁₆	3¼	3	1¾ × 2¾
EAI-4	67	117	1.0	2500	5¾	3¾	3 ⁷ / ₁₆	4¼	2 × 2¾
EAI-5	77	117	2.5	2500	15½	4	5¼	5	2½ × 4
EAI-6	82	117	4.0	2500	17¾	4 ⁵ / ₈	5 ¹⁵ / ₁₆	6¼	2¾ × 3½

FILAMENT TRANSFORMERS — SINGLE SECONDARY — TF5RX01

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 115/230 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary			Net Wgt.	Dimensions			Mounting Dimensions	Regulation
		Volts	Amps	Test Volts		L	W	H		
EAF- 1	45	2.5 ct	6	3000	1	2¼	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆	32%
EAF- 2	56	2.5 ct	14	5000	2¼	2¾	2 ⁵ / ₈	3 ⁷ / ₁₆	1 ⁵ / ₈ × 1½	16%
EAF-10	45	5 ct	3	2500	1	2¼	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆	30%
EAF-11	51	5 ct	6	2500	1½	2 ⁷ / ₁₆	2½	2¼	1½ × 1 ⁵ / ₈	25%
EAF-12	62	5 ct	12	5000	3¾	3¼	3	3 ¹³ / ₁₆	1¾ × 2	12.5%
EAF-15	45	6.3 ct	2.5	2500	1	2¼	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆	31%
EAF-16	51	6.3 ct	5	2500	1½	2 ⁷ / ₁₆	2½	2¼	1½ × 1 ⁵ / ₈	20%
EAF-17	56	6.3 ct	7.5	2500	2¼	2¾	2 ⁵ / ₈	3 ⁷ / ₁₆	1 ⁵ / ₈ × 1½	15%
EAF-18	58	6.3 ct	10	2500	3¼	2 ⁷ / ₁₆	3¼	3	1¾ × 2¾	12%
EAF-19	62	6.3 ct	12	2500	3¾	3¼	3	3 ¹³ / ₁₆	1¾ × 2	11%
EAF-20	53	10 ct	4	2500	2½	2 ⁷ / ₁₆	2 ¹³ / ₁₆	2¼	1½ × 2	17%

FILAMENT TRANSFORMERS — MULTIPLE SECONDARIES — TF5RX01

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 105/115/125 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary 1		Secondary 2		Secondary 3		Sec. Test Volts	Net Wgt.	Dimensions			Mounting Dimensions	Reg
		Volts	Amps	Volts	Amps	Volts	Amps			L	W	H		
EAF-25	51	5	2	6.3 ct	2.5			2500	1½	2 ⁷ / ₁₆	2½	2¼	1½ × 1 ⁵ / ₈	21%
EAF-26	51	5	2	12.6 ct	1.25			2500	1½	2 ⁷ / ₁₆	2½	2¼	1½ × 1 ⁵ / ₈	21%
EAF-27	56	5	3	6.3 ct	4.5			2500	2¼	2¾	2 ⁵ / ₈	3 ⁷ / ₁₆	1 ⁵ / ₈ × 1½	16%
EAF-28	62	5	3	6.3 ct	4	6.3 ct	4	2500	3 ⁵ / ₈	3¼	3	3 ¹³ / ₁₆	1¾ × 2	12%
EAF-29	62	5	3	6.3 ct	2	6.3 ct	6	2500	3 ⁵ / ₈	3¼	3	3 ¹³ / ₁₆	1¾ × 2	12%
EAF-30	56	6.3 ct	3.5	6.3 ct	3.5			2500	2¼	2¾	2 ⁵ / ₈	3 ⁷ / ₁₆	1 ⁵ / ₈ × 1½	16%
EAF-31	62	6.3 ct	5	6.3 ct	5			2500	3 ⁵ / ₈	3¼	3	3 ¹³ / ₁₆	1¾ × 2	11%
EAF-32	67	5	4	5	4	5	8	5000	5¾	3¾	3 ⁷ / ₁₆	4¼	2 × 2¾	11%

‡ Ratings are based on 60 cycle operation

see page 21-23 for additional technical details

EPOXY ENCAPSULATED — 60 CYCLES

105°C MAXIMUM OPERATING TEMPERATURE

PLATE AND FILAMENT TRANSFORMERS — TF5RX03

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

CAPACITOR INPUT FILTER

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	High-Voltage Secondary			Filament 1		Filament 2		Additional Filaments		Net Wgt.	Dimensions		
		Volts, RMS	Approx. D.C. Volts	D.C. MA	Volts	Amps	Volts	Amps	Volts	Amps		L	W	H
EAM- 1	45	250-0-250	320	10	6.3	.6	6.3	1.0			1	2 ¹ / ₄	1 ¹⁵ / ₁₆	2 ¹ / ₁₆
EAM- 2	51	250-0-250	300	20	6.3	.9	6.3	1.5			1 ¹ / ₂	2 ⁷ / ₁₆	2 ¹ / ₂	2 ¹ / ₄
EAM- 3	56	225-0-225	210	50	5	2	6.3 ct	2			2 ¹ / ₄	2 ³ / ₄	2 ⁵ / ₈	3 ⁷ / ₁₆
EAM- 4	56	300-0-300	350	35	5	2	6.3 ct	2			2 ¹ / ₄	2 ³ / ₄	2 ⁵ / ₈	3 ⁷ / ₁₆
EAM- 5	62	300-0-300	285	75	5	2.5	6.3 ct	3.5			3 ⁵ / ₈	3 ¹ / ₁₆	3	3 ¹³ / ₁₆
EAM- 6	62	375-0-375	320	55	5	2.5	6.3 ct	3.5			3 ⁵ / ₈	3 ¹ / ₁₆	3	3 ¹³ / ₁₆
EAM- 7	62	325-0-325	300	80	5	2	6.3 ct	3			3 ⁵ / ₈	3 ¹ / ₁₆	3	3 ¹³ / ₁₆
EAM- 8	64	350-0-350	320	105	5	2	6.3 ct	3.5			4 ⁵ / ₈	3 ¹ / ₁₆	3 ¹ / ₄	3 ¹³ / ₁₆
EAM- 9	67	375-0-375	380	120	5	3	6.3 ct	4			5 ³ / ₄	3 ³ / ₈	3 ⁷ / ₁₆	4 ¹ / ₄
EAM-10	70	375-0-375	380	150	5	3	6.3 ct	4	6.3 ct	2	7 ¹ / ₄	3 ³ / ₈	4	4 ¹ / ₄
EAM-11	73	400-0-400	390	220	5	3	6.3 ct	5	6.3 ct	2	11	3 ¹¹ / ₁₆	4 ⁷ / ₁₆	4 ⁵ / ₈
EAM-12	75	400-80-0-80-400	410	250	5	6	6.3 ct	7	6.3 ct	2	13	4	4 ¹ / ₂	5
EAM-20	73	450-0-450	450	190	5	2	6.3	.6	6.3	4	11	3 ¹¹ / ₁₆	4 ⁷ / ₁₆	4 ⁵ / ₈
									6.3	4				
EAM-21	73	440-0-440	440	350	5	3	6.3	.6	6.3	3	11	3 ¹¹ / ₁₆	4 ⁷ / ₁₆	4 ⁵ / ₈
									6.3	3				

PLATE AND FILAMENT TRANSFORMERS — TF5RX03

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

CHOKE INPUT FILTER

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	High-Voltage Secondary			Filament 1		Filament 2		Additional Filaments		Net Wgt.	Dimensions		
		Volts, RMS	Approx. D.C. Volts	D.C. MA	Volts	Amps	Volts	Amps	Volts	Amps		L	W	H
EAM-25	56	350-0-350	300	50	5	2	6.3 ct	2			2 ¹ / ₄	2 ³ / ₄	2 ⁵ / ₈	3 ⁷ / ₁₆
EAM-26	62	425-0-425	360	75	5	2	6.3 ct	3			3 ⁵ / ₈	3 ¹ / ₁₆	3	3 ¹³ / ₁₆
EAM-27	64	450-0-450	380	100	5	2	6.3 ct	4			4 ⁵ / ₈	3 ¹ / ₁₆	3 ¹ / ₄	3 ¹³ / ₁₆
EAM-28	67	500-0-500	420	110	5	3	6.3 ct	4			5 ³ / ₄	3 ³ / ₈	3 ⁷ / ₁₆	4 ¹ / ₄
EAM-29	70	500-0-500	420	150	5	3	6.3 ct	4	6.3 ct	1	7 ¹ / ₄	3 ³ / ₈	4	4 ¹ / ₄
EAM-30	73	520-0-520	450	200	5	4	6.3 ct	5	6.3 ct	2	11	3 ¹¹ / ₁₆	4 ⁷ / ₁₆	4 ⁵ / ₈
EAM-31	75	550-370-75-0-75-370-550	480	250	5	5	6.3 ct	5	6.3 ct	1	13	4	4 ¹ / ₂	5

FILTER INDUCTORS — TF5RX04

120 CYCLES
10 VOLTS RMS

Tolerance on Inductance +50%, -20%.

65°C AMBIENT
10,000 FT. ALTITUDE

Catalog Number	Size Code	Inductance Henries ±20%	Amp D.C.	D.C. Resistance Ohms	Test Volts	Net Wgt.	Dimensions			Mounting Dimensions
							L	W	H	
EAR- 1	45	10	055	230	2500	1	2 ¹ / ₄	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆
EAR- 2	45	15	055	420	2500	1	2 ¹ / ₄	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆
EAR- 3	48	10	085	175	2500	1 ³ / ₈	2 ¹ / ₄	2 ³ / ₈	2 ¹ / ₁₆	1 ⁹ / ₁₆ × 1 ⁵ / ₈
EAR- 4	48	15	085	285	2500	1 ³ / ₈	2 ¹ / ₄	2 ³ / ₈	2 ¹ / ₁₆	1 ⁹ / ₁₆ × 1 ⁵ / ₈
EAR- 5	51	8	100	100	2500	1 ¹ / ₂	2 ⁷ / ₁₆	2 ¹ / ₂	2 ¹ / ₄	1 ¹ / ₂ × 1 ⁵ / ₈
EAR- 6	53	12	100	170	2500	2 ¹ / ₈	2 ⁷ / ₁₆	2 ¹³ / ₁₆	2 ¹ / ₄	1 ¹ / ₂ × 2
EAR- 7	56	8	150	100	2500	2 ¹ / ₄	2 ³ / ₄	2 ⁵ / ₈	3 ⁷ / ₁₆	1 ⁵ / ₈ × 1 ¹ / ₂
EAR- 8	58	12	150	150	2500	3 ¹ / ₄	2 ⁷ / ₁₆	3 ¹ / ₄	3	1 ³ / ₈ × 2 ³ / ₈
EAR- 9	58	8	200	85	2500	3 ¹ / ₄	2 ⁷ / ₁₆	3 ¹ / ₄	3	1 ³ / ₈ × 2 ³ / ₈
EAR-10	62	12	200	140	2500	3 ⁵ / ₈	3 ¹ / ₁₆	3	3 ¹³ / ₁₆	1 ³ / ₄ × 2
EAR-11	64	8	250	90	2500	4 ⁵ / ₈	3 ¹ / ₁₆	3 ¹ / ₄	3 ¹³ / ₁₆	1 ³ / ₄ × 2 ³ / ₈
EAR-12	70	8	300	60	2500	7 ¹ / ₄	3 ³ / ₈	4	4 ¹ / ₄	2 × 3

‡ Ratings are based on 60 cycle operation

see page 21-23 for additional technical details

EPOXY ENCAPSULATED — 400 CYCLES

105°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS — TF5RX01

SINGLE PHASE
380-420 CYCLES
PRIMARY: 117 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary			Net Wgt.	Dimensions			Mounting Dimensions
		Volts	Amps	Test Volts		L	W	H	
EAI-50	30	117	.10	2500	$\frac{3}{8}$	$2\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{3}{4}$
EAI-51	39	117	.25	2500	$\frac{5}{8}$	$1\frac{7}{8}$	$1\frac{13}{16}$	$1\frac{3}{4}$	$1\frac{3}{16} \times 1\frac{3}{16}$
EAI-52	45	117	.50	2500	1	$2\frac{1}{4}$	$1\frac{15}{16}$	$2\frac{1}{16}$	$1\frac{9}{16} \times 1\frac{5}{16}$
EAI-53	56	117	1.0	2500	$2\frac{1}{4}$	$2\frac{3}{4}$	$2\frac{5}{8}$	$3\frac{7}{16}$	$1\frac{5}{8} \times 1\frac{1}{2}$
EAI-54	67	117	2.5	2500	$5\frac{3}{4}$	$3\frac{3}{8}$	$3\frac{7}{16}$	$4\frac{1}{4}$	$2 \times 2\frac{3}{8}$
EAI-55	70	117	3.5	2500	$7\frac{1}{4}$	$3\frac{3}{8}$	4	$4\frac{1}{4}$	2×3
EAI-56	75	117	5.0	2500	13	4	$4\frac{1}{2}$	5	$2\frac{1}{2} \times 3\frac{5}{16}$
EAI-57	82	117	9.0	2500	$17\frac{1}{8}$	$4\frac{1}{2}$	$5\frac{15}{16}$	$6\frac{1}{4}$	$2\frac{3}{4} \times 3\frac{1}{2}$

FILAMENT TRANSFORMERS — TF5RX01

SINGLE PHASE
380-420 CYCLES
PRIMARY: 105/115/125 VOLTS

*PRIMARY VOLTAGE 105/115

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary			Net Wgt.	Dimensions			Mounting Dimensions	Regulation
		Volts	Amps	Test Volts		L	W	H		
EAF-60	39	6.3	3	2000	$\frac{5}{8}$	$1\frac{7}{8}$	$1\frac{13}{16}$	$1\frac{3}{4}$	$1\frac{3}{16} \times 1\frac{3}{16}$	8%
*EAF-61	45	6.3	5.5	2000	1	$2\frac{1}{4}$	$1\frac{15}{16}$	$2\frac{1}{16}$	$1\frac{9}{16} \times 1\frac{5}{16}$	6%
*EAF-62	48	6.3	10	2000	$1\frac{3}{8}$	$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{1}{16}$	$1\frac{9}{16} \times 1\frac{5}{8}$	5%
EAF-63	56	6.3	20	2000	$2\frac{1}{4}$	$2\frac{3}{4}$	$2\frac{5}{8}$	$3\frac{7}{16}$	$1\frac{5}{8} \times 1\frac{1}{2}$	4%

PLATE AND FILAMENT TRANSFORMERS — TF5RX03

SINGLE PHASE
380-420 CYCLES
PRIMARY: 105/115/125 VOLTS

CAPACITOR INPUT FILTER

*CHOKE INPUT FILTER

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	High-Voltage Secondary			Filament 1		Filament 2		Additional Filaments		Net Wgt.	Dimensions		
		Volts, RMS	Approx. D.C. Volts	D.C. MA	Volts	Amps	Volts	Amps	Volts	Amps		L	W	H
EAM-50	45	270-0-270	360	50	5	2	6.3 ct	2			1	$2\frac{1}{4}$	$1\frac{15}{16}$	$2\frac{1}{16}$
EAM-51	51	335-0-335	450	65	5	2	6.3 ct	2			$1\frac{1}{2}$	$2\frac{7}{16}$	$2\frac{1}{2}$	$2\frac{1}{4}$
EAM-52	51	330-0-330	320	85	5	2	6.3 ct	3			$1\frac{1}{2}$	$2\frac{7}{16}$	$2\frac{1}{2}$	$2\frac{1}{4}$
EAM-53	56	345-0-345	480	105	5	2	6.3 ct	3.5			$2\frac{1}{4}$	$2\frac{3}{4}$	$2\frac{5}{8}$	$3\frac{7}{16}$
EAM-54	56	335-0-335	375	120	5	3	6.3 ct	2			$2\frac{1}{4}$	$2\frac{3}{4}$	$2\frac{5}{8}$	$3\frac{7}{16}$
EAM-55	62	370-0-370	375	150	5	3	6.3 ct	4			$3\frac{5}{8}$	$3\frac{1}{16}$	3	$3\frac{13}{16}$
EAM-56	67	440-0-440	560	165	5	2	6.3 ct	7.5	6.3 ct	3	$5\frac{3}{4}$	$3\frac{3}{8}$	$3\frac{7}{16}$	$4\frac{1}{4}$
									6.3 ct	3				
									6.3 ct	.6				
EAM-57	67	450-0-450	600	200	5	2	6.3 ct	.6	6.3 ct	4	$5\frac{3}{4}$	$3\frac{3}{8}$	$3\frac{7}{16}$	$4\frac{1}{4}$
									6.3 ct	4				
*EAM-75	70	550-0-550	480	350	5	6	6.3 ct	5	6.3vct	1	$7\frac{1}{4}$	$3\frac{3}{8}$	4	$4\frac{1}{4}$

FILTER INDUCTORS — TF5RX04

800 CYCLES
10 VOLTS RMS

Tolerance on Inductance +50%, -20%.

65°C AMBIENT
10,000 FT. ALTITUDE

Catalog Number	Size Code	Inductance Henries $\pm 20\%$	Amp D.C.	D.C. Resistance Ohms	Test Volts	Net Wgt.	Dimensions			Mounting Dimensions
							L	W	H	
EAR-50	30	2	040	190	1150	$\frac{3}{8}$	$2\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{3}{4}$
EAR-51	30	2	055	160	1150	$\frac{3}{8}$	$2\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{3}{4}$
EAR-52	30	2	070	170	1150	$\frac{3}{8}$	$2\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{3}{4}$
EAR-53	30	2	085	135	1150	$\frac{3}{8}$	$2\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{3}{4}$
EAR-54	39	2	105	110	1150	$\frac{5}{8}$	$1\frac{7}{8}$	$1\frac{13}{16}$	$1\frac{3}{4}$	$1\frac{3}{16} \times 1\frac{3}{16}$
EAR-55	39	2	120	100	1250	$\frac{5}{8}$	$1\frac{7}{8}$	$1\frac{13}{16}$	$1\frac{3}{4}$	$1\frac{3}{16} \times 1\frac{3}{16}$
EAR-56	39	2	150	95	1250	$\frac{5}{8}$	$1\frac{7}{8}$	$1\frac{13}{16}$	$1\frac{3}{4}$	$1\frac{3}{16} \times 1\frac{3}{16}$
EAR-57	39	2	165	90	1250	$\frac{5}{8}$	$1\frac{7}{8}$	$1\frac{13}{16}$	$1\frac{3}{4}$	$1\frac{3}{16} \times 1\frac{3}{16}$
EAR-58	45	2	200	75	1750	1	$2\frac{1}{4}$	$1\frac{15}{16}$	$2\frac{1}{16}$	$1\frac{9}{16} \times 1\frac{5}{16}$
EAR-59	51	2	300	50	1750	$1\frac{1}{2}$	$2\frac{7}{16}$	$2\frac{1}{2}$	$2\frac{1}{4}$	$1\frac{1}{2} \times 1\frac{5}{8}$

see page 21-23 for additional technical details

OPEN — 60 CYCLES

105°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary			Net Wgt.	Dimensions			Mounting Dimensions
		Volts	Amps	Test Volts		L	W	H	
OAI-1	45	117	.100	2500	7/8	2 1/8	1 13/16	1 31/32	1 9/16 × 1 5/16
OAI-2	51	117	.25	2500	1 3/8	2 5/16	2 5/16	2 1/8	1 1/2 × 1 5/8
OAI-3	58	117	.50	2500	2 7/8	2 5/16	3 1/8	2 7/8	1 3/8 × 2 3/8
OAI-4	67	117	1.0	2500	5 1/8	3 1/4	3 5/16	4 1/8	2 × 2 3/8
OAI-5	77	117	2.5	2500	14 1/2	3 7/8	5 1/8	4 7/8	2 1/2 × 4
OAI-6	82	117	4.0	2500	16	4 3/8	5 3/4	6 1/8	2 3/4 × 3 1/2

FILAMENT TRANSFORMERS — SINGLE SECONDARY

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary			Net Wgt.	Dimensions			Mounting Dimensions	Regulation
		Volts	Amps	Test Volts		L	W	H		
OAF- 1	39	2.5	1.5	2500	1/2	1 3/4	1 11/16	1 5/8	1 3/16 × 1 3/16	35%
OAF- 2	45	2.5 ct	5	3000	7/8	2 1/8	1 13/16	1 31/32	1 9/16 × 1 5/16	30%
OAF-10	39	5	1.5	3000	1/2	1 3/4	1 11/16	1 5/8	1 3/16 × 1 3/16	35%
OAF-11	45	5 ct	3	2500	7/8	2 1/8	1 13/16	1 31/32	1 9/16 × 1 5/16	30%
OAF-12	51	5 ct	6	2500	1 3/8	2 5/16	2 3/16	2 5/16	1 1/2 × 1 5/8	20%
OAF-13	58	5 ct	13	2500	2 7/8	2 5/16	3 1/8	2 7/8	1 3/8 × 2 3/8	12%
OAF-16	45	6.3 ct	3	2500	7/8	2 1/8	1 13/16	1 31/32	1 9/16 × 1 5/16	30%
OAF-17	53	6.3 ct	6	2500	1 7/8	2 5/16	2 11/16	2 1/8	1 1/2 × 2	18%
OAF-19	67	6.3 ct	20	2500	5 1/8	3 1/4	3 5/16	4 1/8	2 × 2 3/8	8%
OAF-20	51	7.5 ct	4	2500	1 3/8	2 5/16	2 3/16	2 5/16	1 1/2 × 1 5/8	20%
OAF-21	56	10 ct	5	2500	2	2 5/8	2 1/2	3 5/16	1 5/8 × 1 1/2	15%
OAF-22	64	10 ct	10	2500	4	2 15/16	3 1/8	3 11/16	1 3/4 × 2 3/8	8%

FILAMENT TRANSFORMERS — MULTIPLE SECONDARIES

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary 1		Secondary 2		Additional Secondaries		Sec. Test Volts	Net Wgt.	Dimensions			Mounting Dimensions	Reg
		Volts	Amps	Volts	Amps	Volts	Amps			L	W	H		
OAF-25	53	6.3 ct	3	6.3 ct	3			2000	1 7/8	2 5/16	2 11/16	2 1/8	1 1/2 × 2	18%
OAF-26	56	6.3 ct	1.75	6.3	1.75	6.3	1.75	2500	2	2 5/8	2 1/2	3 5/16	1 5/8 × 1 1/2	15%
OAF-27	62	6.3 ct	6	6.3 ct	6			2500	3 1/8	2 15/16	3	3 11/16	1 3/4 × 2	10%
OAF-28	64	6.3 ct	3.5	6.3	3.5	6.3	3.5	2500	4	2 15/16	3 1/8	3 11/16	1 3/4 × 2 3/8	8%
OAF-30	53	6.3 ct	3.6	5 ct	4			1000	1 7/8	2 5/16	2 11/16	2 1/8	1 1/2 × 2	18%
OAF-31	56	6.3 ct	6	5 ct	3			1500	2	2 5/8	2 1/2	3 5/16	1 5/8 × 1 1/2	15%
OAF-32	58	6.3 ct	6	5 ct	6			2500	2 7/8	2 5/16	3 1/8	2 7/8	1 3/8 × 2 3/8	12%
OAF-35	56	6.3 ct	3	5 ct	3	2.5 ct	3.5	2500	2	2 5/8	2 1/2	3 5/16	1 5/8 × 1 1/2	15%
OAF-36	58	6.3 ct	3	5 ct	2	5	3	2000	2 7/8	2 5/16	3 1/8	2 7/8	1 3/8 × 2 3/8	12%
OAF-37	64	7.5/ 6.3 ct	3	6.3 ct	4	5 5	3 3	2500	4	2 15/16	3 1/8	3 11/16	1 3/4 × 2 3/8	8%

‡ Ratings are based on 60 cycle operation

see page 21-23 for additional technical details

OPEN — 60 CYCLES

105°C MAXIMUM OPERATING TEMPERATURE

PLATE TRANSFORMERS

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Volts, RMS	Secondary		Filter	Net Wgt.	Dimensions			Mounting Dimensions
			Approx. DC Volts	DC MA			L	W	H	
OAP-25	64	415-0-415	360	200	L	4	2 ¹⁵ / ₁₆	3 ¹ / ₈	3 ¹¹ / ₁₆	1 ³ / ₄ × 2 ³ / ₈
OAP-26	67	515-0-515	460	235	L	5 ¹ / ₈	3 ¹ / ₄	3 ⁵ / ₁₆	4 ¹ / ₈	2 × 2 ³ / ₈
OAP-27	73	665-0-665	580	250	L	10	3 ⁹ / ₁₆	4 ⁵ / ₁₆	4 ¹ / ₂	2 ¹ / ₈ × 3 ¹ / ₄
OAP-28	73	750-0-750	660	265	L	10	3 ⁹ / ₁₆	4 ⁵ / ₁₆	4 ¹ / ₂	2 ¹ / ₈ × 3 ¹ / ₄
OAP-29	75	675-575-0-575-675	600	250	L	12	3 ⁷ / ₈	4 ³ / ₈	4 ⁷ / ₈	2 ¹ / ₂ × 3 ⁵ / ₁₆
OAP-30	75	920-0-920	810	250	L	12	3 ⁷ / ₈	4 ³ / ₈	4 ⁷ / ₈	2 ¹ / ₂ × 3 ⁵ / ₁₆
OAP-31	77	1200-0-1200	1050	210	L	14 ¹ / ₂	3 ⁷ / ₈	5 ¹ / ₈	4 ⁷ / ₈	2 ¹ / ₂ × 4
OAP-32	82	1200-0-1200	1050	325	L	16	4 ³ / ₈	5 ³ / ₄	6 ¹ / ₈	2 ³ / ₄ × 3 ¹ / ₂
OAP-33	82	1150-870-0-870-1150	1000	250	L	16	4 ³ / ₈	5 ³ / ₄	6 ¹ / ₈	2 ³ / ₄ × 3 ¹ / ₂

PLATE AND FILAMENT TRANSFORMERS

SINGLE PHASE
50/60 CYCLES ‡
PRIMARY: 117 VOLTS

CAPACITOR INPUT FILTER

65°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	High-Voltage Secondary			Filament 1		Filament 2		Filament 3		Net Wgt.	Dimensions		
		Volts, RMS	Approx. DC Volts	DC MA	Volts	Amps	Volts	Amps	Volts	Amps		L	W	H
OAM- 1	53	235-0-235	260	40	5	2	6.3 ct	2			1 ⁷ / ₈	2 ⁵ / ₁₆	2 ¹¹ / ₁₆	2 ¹ / ₈
OAM- 2	56	240-0-240	260	55	5	2	6.3 ct	2			2	2 ⁵ / ₈	2 ¹ / ₂	3 ⁵ / ₁₆
OAM- 3	56	250-0-250	260	70	5	2	6.3 ct	2.5			2	2 ⁵ / ₈	2 ¹ / ₂	3 ⁵ / ₁₆
OAM- 4	58	235-0-235	260	90	5	2	6.3 ct	2			2 ⁷ / ₈	2 ⁵ / ₁₆	3 ¹ / ₈	2 ⁷ / ₈
OAM- 5	62	270-0-270	260	120	5	3	6.3 ct	3.5			3 ¹ / ₈	2 ¹⁵ / ₁₆	2 ³ / ₄	3 ¹¹ / ₁₆
*OAM-25	51	240-0-240	200	60	6.3 ct	2.75					1 ³ / ₈	2 ⁵ / ₁₆	2 ⁵ / ₁₆	2 ¹ / ₈
*OAM-26	53	325-0-325	275	40	5	2	6.3 ct	2			1 ⁷ / ₈	2 ⁵ / ₁₆	2 ¹¹ / ₁₆	2 ¹ / ₈
*OAM-27	58	300-0-300	250	70	5	3	6.3 ct	3			2 ⁷ / ₈	2 ⁵ / ₁₆	3 ¹ / ₈	2 ⁷ / ₈
*OAM-28	58	300-0-300	250	90	5	2	6.3 ct	3.5			2 ⁷ / ₈	2 ⁵ / ₁₆	3 ¹ / ₈	2 ⁷ / ₈
*OAM-29	62	350-0-350	280	110	5	2	6.3 ct	3	6.3 ct	3	3 ¹ / ₈	2 ¹⁵ / ₁₆	2 ³ / ₄	3 ¹¹ / ₁₆
*OAM-30	62	360-0-360	280	120	5	3	6.3 ct	3.5			3 ¹ / ₈	2 ¹⁵ / ₁₆	2 ³ / ₄	3 ¹¹ / ₁₆
*OAM-31	64	440-0-440	370	130	5	3	6.3 ct	3.5			4	2 ¹⁵ / ₁₆	3 ¹ / ₈	3 ¹¹ / ₁₆
*OAM-32	64	325-0-325	280	150	5	3	6.3 ct	5			4	2 ¹⁵ / ₁₆	3 ¹ / ₈	3 ¹¹ / ₁₆
*OAM-33	67	400-0-400	330	200	5	3	6.3 ct	5			5 ¹ / ₈	3 ¹ / ₄	3 ⁵ / ₁₆	4 ¹ / ₈

*CHOKE INPUT FILTER

FILTER INDUCTORS

120 CYCLES
10 VOLTS RMS

Tolerance on Inductance +50%, -20%.

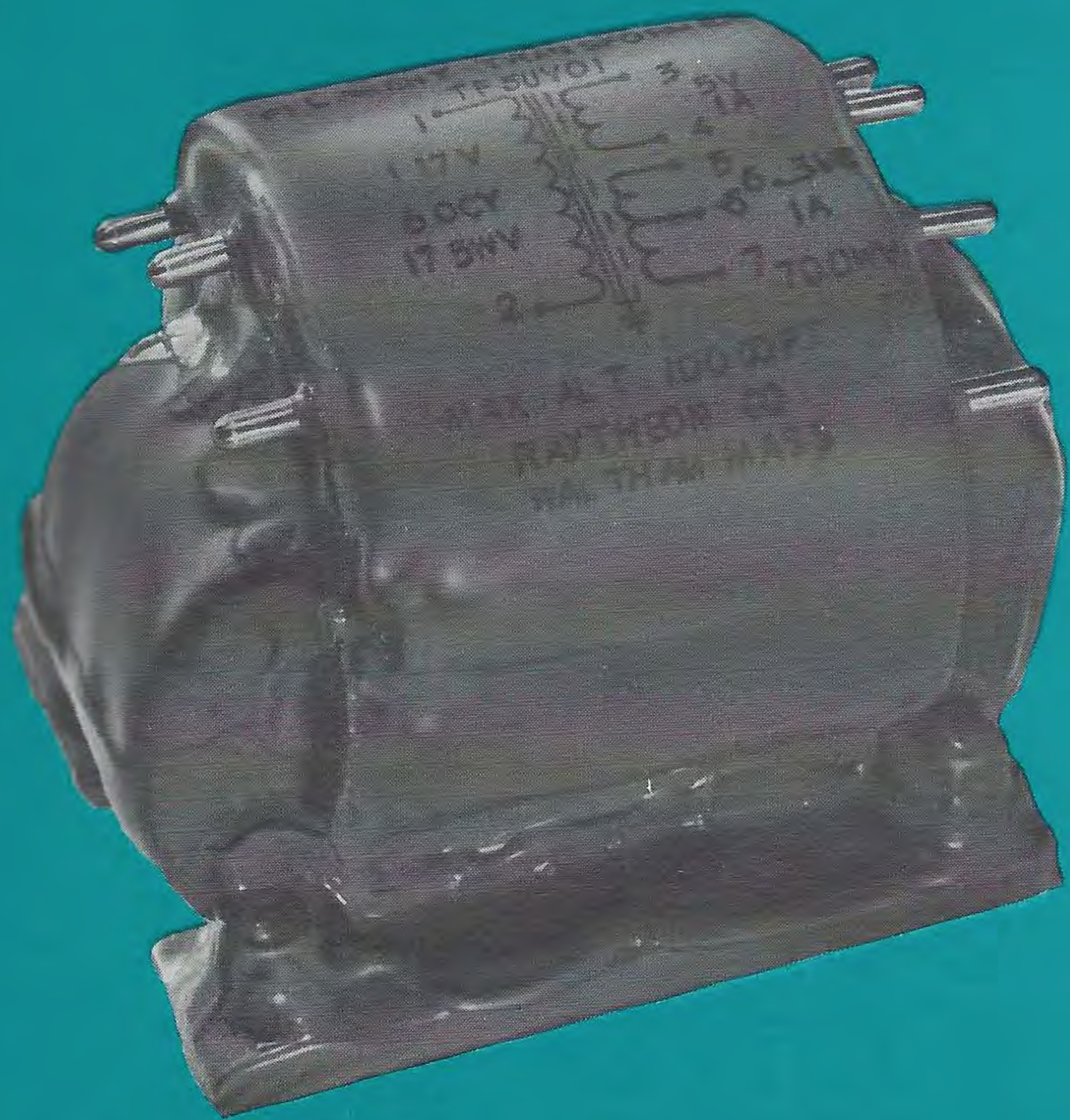
65°C AMBIENT
10,000 FT. ALTITUDE

Catalog Number	Size Code	Inductance Henries ±20%	Amp D.C.	D.C. Resistance Ohms	Test Volts	Net Wgt.	Dimensions			Mounting Dimensions
							L	W	H	
OAR- 1	18	1.5	010	85	2500	1 ¹ / ₈	1 ¹¹ / ₁₆	1 ¹ / ₈	7 ¹ / ₈	1 ³ / ₈
OAR- 2	30	4.5	050	300	1500	1 ¹ / ₄	2 ¹ / ₈	1 ³ / ₈	1 ¹ / ₄	1 ³ / ₄
OAR- 3	39	2.5	130	100	2000	1 ¹ / ₂	1 ³ / ₄	1 ¹¹ / ₁₆	1 ⁵ / ₈	1 ³ / ₁₆ × 1 ³ / ₁₆
OAR- 4	39	5.0	100	300	1500	1 ¹ / ₂	1 ³ / ₄	1 ¹¹ / ₁₆	1 ⁵ / ₈	1 ³ / ₁₆ × 1 ³ / ₁₆
OAR- 5	39	8.0	075	290	1500	1 ¹ / ₂	1 ³ / ₄	1 ¹¹ / ₁₆	1 ⁵ / ₈	1 ³ / ₁₆ × 1 ³ / ₁₆
OAR- 6	39	12.0	030	400	2000	1 ¹ / ₂	1 ³ / ₄	1 ¹¹ / ₁₆	1 ⁵ / ₈	1 ³ / ₁₆ × 1 ³ / ₁₆
OAR- 7	45	3.0	150	90	2000	7 ¹ / ₈	2 ¹ / ₈	1 ¹³ / ₁₆	1 ³¹ / ₃₂	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆
OAR- 8	48	4.0	175	100	3000	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₄	1 ³¹ / ₃₂	1 ⁹ / ₁₆ × 1 ⁵ / ₈
OAR- 9	48	16.0	080	360	1500	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₄	1 ³¹ / ₃₂	1 ⁹ / ₁₆ × 1 ⁵ / ₈
OAR-10	53	2.8	300	60	1500	1 ⁷ / ₈	2 ¹⁵ / ₁₆	2 ¹¹ / ₁₆	2 ¹ / ₈	1 ¹ / ₂ × 2
OAR-11	53	5.0	200	90	5000	1 ⁷ / ₈	2 ¹⁵ / ₁₆	2 ¹¹ / ₁₆	2 ¹ / ₈	1 ¹ / ₂ × 2
OAR-12	56	4.0	250	60	3000	2	2 ⁵ / ₈	2 ¹ / ₂	3 ⁵ / ₁₆	1 ⁵ / ₈ × 1 ¹ / ₂
OAR-13	67	8.0	300	80	3000	5 ¹ / ₈	3 ¹ / ₄	3 ⁵ / ₁₆	4 ¹ / ₈	2 × 2 ³ / ₈
OAR-14	70	6.0	500	75	5000	6 ⁵ / ₈	3 ¹ / ₄	3 ⁷ / ₈	4 ¹ / ₈	2 × 3
OAR-15	70	7.5	400	60	5000	6 ⁵ / ₈	3 ¹ / ₄	3 ⁷ / ₈	4 ¹ / ₈	2 × 3

‡ Ratings are based on 60 cycle operation

see page 21-23 for additional technical details

RAYTHEON



Silicone Rubber Encapsulated

RAYTHEON



Cased, High Temperature

Raytheon Company has delivered prototype transformers to the U.S. Navy capable of operating at 600°C. Our investigation into materials and techniques suitable for high temperature transformers makes it possible for us to offer this new catalog line of power transformers to meet the severe environmental condition of the missile age. The reliability of these units is assured by our experience in the development of special manufacturing processes and such materials as new ceramic potting compounds, flexible inorganic layer insulation and thermally emissive container surfaces.

SILICONE RUBBER ENCAPSULATED UNITS

MIL-T-27A

Grade: 2 or 5

Class: U (250°C maximum operating temperature)

Life: Y

Silicone Rubber Dip Encapsulated

CASED, HIGH TEMPERATURE UNITS

MIL-T-27A

Grade: 1 or 4

Class: U (350°C maximum operating temperature)

Life: Y

Stainless steel cases, heliarc welded with silver brazed ceramic terminals.

SILICONE RUBBER ENCAPSULATED — 60 CYCLES

250°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS — TF5UY01

SINGLE PHASE
60 CYCLES
PRIMARY: 117 VOLTS

180°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary			Net Wgt.	Dimensions			Mounting Dimensions
		Volts	Amps	Test Volts		L	W	H	
SI-1	45	117	.025	2500	1	2½	2⅝	2⅞	1½ × 1⅜
SI-2	51	117	.085	2500	1⅝	3	2⅜	2⅞	2 × 1¾
SI-3	59	117	.250	2500	2⅞	3¾	3⅜	3⅜	2⅞ × 2⅞
SI-4	65	117	.55	2500	4⅞	4⅜	3¾	3½	3¼ × 2⅞

FILAMENT TRANSFORMERS — TF5UY01

SINGLE PHASE
60 CYCLES
PRIMARY: 117 VOLTS

180°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary 1		Secondary 2		Secondary 3		Sec. Test Volts	Net Wgt.	Dimensions			Mounting Dimensions	Reg
		Volts	Amps	Volts	Amps	Volts	Amps			L	W	H		
SF-10	51	5 v	2.5					2500	1⅝	3	2⅜	2⅞	2 × 1¾	20%
SF-11	59	5	6					2500	2⅞	3¾	3⅜	3⅜	2⅞ × 2⅞	10%
SF-15	45	6.3 ct	.5					2500	1⅝	2½	2⅝	2⅞	1½ × 1⅜	20%
SF-16	51	6.3 ct	2					2500	1⅝	3	2⅜	2⅞	2 × 1¾	20%
SF-17	59	6.3 ct	5					2500	2⅞	3¾	3⅜	3⅜	2⅞ × 2⅞	10%
SF-20	65	10 ct	7					2500	4⅞	4⅜	3¾	3½	3¼ × 2⅞	10%
SF-25	45	2.5	.6	2.5	.6			2500	1⅝	2½	2⅝	2⅞	1½ × 1⅜	20%
SF-26	51	5	1	6.3 ct	1			2500	1⅝	3	2⅜	2⅞	2 × 1¾	20%
SF-27	59	5	2	6.3 ct	2	6.3	1.5	2500	2⅞	3¾	3⅜	3⅜	2⅞ × 2⅞	10%
SF-29	65	5	3	6.3 ct	4	6.3 ct	4	2500	4⅞	4⅜	3¾	3½	3¼ × 2⅞	10%
SF-30	51	6.3 ct	.6	6.3 ct	1			2500	1⅝	3	2⅜	2⅞	2 × 1¾	20%

PLATE TRANSFORMERS — TF5UY02

SINGLE PHASE
60 CYCLES
PRIMARY: 117 VOLTS

180°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary				Net Wgt.	Dimensions			Mounting Dimensions	
		Volts, RMS	L Input		C Input		L	W	H		
			DC Volts	DC MA	DC Volts						DC MA
SP-1	51	150-0-150	135	55	200	33	1 ⁵ / ₈	3	2 ¹³ / ₁₆	2 ¹¹ / ₁₆	2 × 1 ³ / ₄
SP-2	59	250-0-250	220	45	370	45	2 ⁷ / ₈	3 ³ / ₄	3 ³ / ₁₆	3 ³ / ₁₆	2 ⁹ / ₁₆ × 2 ¹ / ₁₆
SP-3	65	300-0-300	260	150	400	90	4 ⁷ / ₈	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₄ × 2 ³ / ₈
SP-4	65	400-0-400	350	110	500	65	4 ⁷ / ₈	4 ³ / ₄	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₄ × 2 ³ / ₈

PLATE AND FILAMENT TRANSFORMERS — TF5UY03

SINGLE PHASE
60 CYCLES
PRIMARY: 117 VOLTS

180°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	High-Voltage Secondary				Filament 1		Filament 2		Net Wgt.	Dimensions		
		Volts, RMS	Approx. DC Volts	DC MA	Filter	Volts	Amps	Volts	Amps		L	W	H
SM- 1	51	150-0-150	200	15	C	6.3 ct	1			1⅝	3	2⅜	2⅞
SM- 2	59	200-0-200	250	30	C	5	2	6.3 ct	1	2⅞	3¾	3⅜	3⅜
SM-25	51	150-0-150	130	20	L	6.3 ct	1			1⅝	3	2⅜	2⅞
SM-26	59	250-0-250	210	50	L	6.3 ct	2			2⅞	3¾	3⅜	3⅜
SM-27	65	300-0-300	250	100	L	6.3 ct	4			4⅞	4⅜	3¾	3½
SM-28	65	400-0-400	350	75	L	6.3 ct	2	5	2	4⅞	4⅜	3¾	3½

Note: C input condition is for $\frac{R_s}{R_L} \approx .02$ $\omega CR_L > 15$

see page 21-23 for additional technical details

SILICONE RUBBER ENCAPSULATED — 400 CYCLES

250°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS — TF5UY01

SINGLE PHASE
400 CYCLES
PRIMARY: 117 VOLTS

180°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary		Test Volts	Net Wgt.	Dimensions			Mounting Dimensions
		Volts	Amps			L	W	H	
SI-50	32	117	.1	2500	$\frac{3}{8}$	$1\frac{7}{8}$	$1\frac{3}{4}$	$1\frac{13}{16}$	1 × $1\frac{1}{4}$
SI-51	38	117	.25	2500	$\frac{5}{8}$	$2\frac{5}{16}$	$1\frac{7}{8}$	2	$1\frac{3}{8}$ × $1\frac{1}{4}$
SI-52	45	117	.55	2500	1	$2\frac{1}{2}$	$2\frac{5}{16}$	$2\frac{7}{16}$	$1\frac{1}{2}$ × $1\frac{3}{8}$
SI-53	51	117	1.25	2500	$1\frac{5}{8}$	3	$2\frac{13}{16}$	$2\frac{11}{16}$	2 × $1\frac{3}{4}$
SI-54	59	117	2.0	2500	$2\frac{7}{8}$	$3\frac{3}{4}$	$3\frac{3}{16}$	$3\frac{3}{16}$	$2\frac{9}{16}$ × $2\frac{1}{16}$
SI-55	65	117	3.25	2500	$4\frac{7}{8}$	$4\frac{3}{8}$	$3\frac{3}{4}$	$3\frac{1}{2}$	$3\frac{1}{4}$ × $2\frac{3}{8}$

FILAMENT TRANSFORMERS — TF5UY01

SINGLE PHASE
400 CYCLES
PRIMARY: 117 VOLTS

180°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary 1		Secondary 2		Secondary 3		Sec. Test Volts	Net Wgt.	Dimensions			Mounting Dimensions	Reg
		Volts	Amps	Volts	Amps	Volts	Amps			L	W	H		
SF-50	32	5	3					2500	$\frac{3}{8}$	$1\frac{7}{8}$	$1\frac{3}{4}$	$1\frac{13}{16}$	1 × $1\frac{1}{4}$	20%
SF-60	38	6.3 ct	6					2500	$\frac{5}{8}$	$2\frac{5}{16}$	$1\frac{7}{8}$	2	$1\frac{3}{8}$ × $1\frac{1}{4}$	15%
SF-70	45	10 ct	7.5					2500	1	$2\frac{1}{2}$	$2\frac{5}{16}$	$2\frac{7}{16}$	$1\frac{1}{2}$ × $1\frac{3}{8}$	10%
SF-71	51	12.6 ct	15					2500	$1\frac{5}{8}$	3	$2\frac{13}{16}$	$2\frac{11}{16}$	2 × $1\frac{3}{4}$	8%
SF-72	59	25.2 ct	12					2500	$2\frac{7}{8}$	$3\frac{3}{4}$	$3\frac{3}{16}$	$3\frac{3}{16}$	$2\frac{9}{16}$ × $2\frac{1}{16}$	5%
SF-75	32	5	1.5	6.3 ct	1			2500	$\frac{3}{8}$	$1\frac{7}{8}$	$1\frac{3}{4}$	$1\frac{13}{16}$	1 × $1\frac{1}{4}$	20%
SF-76	38	5	2	6.3 ct	4			2500	$\frac{5}{8}$	$2\frac{5}{16}$	$1\frac{7}{8}$	2	$1\frac{3}{8}$ × $1\frac{1}{4}$	15%
SF-77	65	25.2 ct	10	25.2 ct	10			2500	$4\frac{7}{8}$	$4\frac{3}{8}$	$3\frac{3}{4}$	$3\frac{1}{2}$	$3\frac{1}{4}$ × $2\frac{3}{8}$	3%
SF-78	45	6.3 ct	4	6.3 ct	4	5	2	2500	1	$2\frac{1}{2}$	$2\frac{5}{16}$	$2\frac{7}{16}$	$1\frac{1}{2}$ × $1\frac{3}{8}$	10%
SF-79	51	10 ct	4	6.3 ct	6	5	4	2500	$1\frac{5}{8}$	3	$2\frac{13}{16}$	$2\frac{11}{16}$	2 × $1\frac{3}{4}$	8%
SF-80	65	25.2 ct	10	6.3 ct	6	5	4	2500	$4\frac{7}{8}$	$4\frac{3}{8}$	$3\frac{3}{4}$	$3\frac{1}{2}$	$3\frac{1}{4}$ × $2\frac{3}{8}$	40%
		12.6 ct	10											
SF-81	59	12.6 ct	10	6.3 ct	10	10 ct	6	2500	$2\frac{7}{8}$	$3\frac{3}{4}$	$3\frac{3}{16}$	$3\frac{3}{16}$	$2\frac{9}{16}$ × $2\frac{1}{16}$	6%

PLATE TRANSFORMERS — TF5UY02

SINGLE PHASE
400 CYCLES
PRIMARY: 117 VOLTS

180°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary					Net Wgt.	Dimensions			Mounting Dimensions
		Volts, RMS	L Input		C Input			L	W	H	
			DC Volts	DC MA	DC Volts	DC MA					
SP-50	32	80-0- 80	70	110	90	65	$\frac{3}{8}$	$1\frac{7}{8}$	$1\frac{3}{4}$	$1\frac{13}{16}$	1 × $1\frac{1}{4}$
SP-51	38	180-0-180	160	125	230	75	$\frac{5}{8}$	$2\frac{5}{16}$	$1\frac{7}{8}$	2	$1\frac{3}{8}$ × $1\frac{1}{4}$
SP-52	45	300-0-300	250	150	400	90	1	$2\frac{1}{2}$	$2\frac{5}{16}$	$2\frac{7}{16}$	$1\frac{1}{2}$ × $1\frac{3}{8}$
SP-53	51	400-0-400	350	300	500	180	$1\frac{5}{8}$	3	$2\frac{13}{16}$	$2\frac{11}{16}$	2 × $1\frac{3}{4}$
SP-54	59	450-0-450	400	400	560	240	$2\frac{7}{8}$	$3\frac{3}{4}$	$3\frac{3}{16}$	$3\frac{3}{16}$	$2\frac{9}{16}$ × $2\frac{1}{16}$
SP-55	65	450-0-450	400	700	570	400	$4\frac{7}{8}$	$4\frac{3}{8}$	$3\frac{3}{4}$	$3\frac{1}{2}$	$3\frac{1}{4}$ × $2\frac{3}{8}$

PLATE AND FILAMENT TRANSFORMERS — TF5UY03

SINGLE PHASE
400 CYCLES
PRIMARY: 117 VOLTS

180°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	High-Voltage Secondary						Filament 1		Filament 2		Filament 3		Net Wgt.	Dimensions		
		L Input		C Input													
		Volts	RMS	DC V	DC MA	DC V	DC MA	Volts	Amps	Volts	Amps	Volts	Amps				
SM-50	32	75-0- 75		65	40	90	25	5	2					3/8	1 7/8	× 1 3/4	× 1 13/16
SM-51	38	150-0-150		130	100	190	60	6.3 ct	2					5/8	2 5/16	× 1 7/8	× 2
SM-52	45	300-0-300		250	80	380	50	5	3	6.3 ct	2			1	2 1/2	× 2 5/16	× 2 7/16
SM-53	51	400-0-400		350	160	500	100	6.3 ct	4	6.3 ct	4	5	3	1 5/8	3	× 2 13/16	× 2 11/16
SM-54	59	450-0-450		400	275	580	160	5	3	6.3 ct	2	6.3 ct	4	2 7/8	3 3/4	× 3 3/16	× 3 3/16
SM-55	65	450-0-450		400	300	580	180	5	4	6.3 ct	6	6.3 ct	6	4 7/8	4 3/8	× 3 3/4	× 3 1/2

Note: C input rating is for $\frac{R_s}{R_L} \approx .02$ $\omega CR_L > 15$

see page 21-23 for additional technical details

CASED, HIGH TEMPERATURE TRANSFORMERS — 60 CYCLES

350°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS — TF4UY01

SINGLE PHASE
60 CYCLES
PRIMARY: 117 VOLTS

250°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary			Net Wgt.	Dimensions			Mounting Dimensions
		Volts	Amps	Test Volts		L	W	H	
HI-1	44	117	.013	2500	2	2 ⁹ / ₁₆	2 ¹ / ₄	2 ¹ / ₈	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆
HI-2	47	117	.02	2500	2 ¹ / ₂	2 ³ / ₄	2 ³ / ₈	2 ¹ / ₄	1 ³ / ₄ × 1 ³ / ₈
HI-3	52	117	.05	2500	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈	2 ³ / ₁₆ × 1 ³ / ₄
HI-4	57	117	.10	2500	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ¹⁵ / ₁₆	2 ¹ / ₂ × 2 ¹ / ₁₆
HI-5	62	117	.21	2500	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	2 ¹³ / ₁₆ × 2 ¹ / ₄
HI-6	65	117	.34	2500	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈ × 2 ¹ / ₂

FILAMENT TRANSFORMERS — TF4UY01

SINGLE PHASE
60 CYCLES
PRIMARY: 117 VOLTS

250°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary 1		Secondary 2		Secondary 3		Sec. Test Volts	Net Wgt.	Dimensions			Mounting Dimensions	Reg
		Volts	Amps	Volts	Amps	Volts	Amps			L	W	H		
HF-10	52	5	1.6					2500	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁹ / ₁₆	2 ³ / ₁₆ × 1 ³ / ₄	25%
HF-15	44	6 ct	.3					2500	2	2 ⁹ / ₁₆	2 ¹ / ₄	2 ¹ / ₈	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆	25%
HF-16	47	6 ct	.5					2500	2 ¹ / ₂	2 ³ / ₄	2 ³ / ₈	2 ¹ / ₄	1 ³ / ₄ × 1 ³ / ₈	25%
HF-17	57	6.3 ct	2.5					2500	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ¹⁵ / ₁₆	2 ¹ / ₂ × 2 ¹ / ₁₆	20%
HF-18	62	6.3 ct	5					2500	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	2 ¹³ / ₁₆ × 2 ¹ / ₄	15%
HF-19	65	6.3 ct	8					2500	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈ × 2 ¹ / ₂	15%
HF-25	52	2.5	1	5	1			2500	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈	2 ³ / ₁₆ × 1 ³ / ₄	25%
HF-26	57	5	1	6.3	1.5			2500	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ¹⁵ / ₁₆	2 ¹ / ₂ × 2 ¹ / ₁₆	20%
HF-27	62	6.3 ct	2	6.3 ct	1	5	2	2500	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	2 ¹³ / ₁₆ × 2 ¹ / ₄	15%
HF-28	65	6.3 ct	4	6.3 ct	2	5	1	2500	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈ × 2 ¹ / ₂	15%

PLATE TRANSFORMERS — TF4UY02

SINGLE PHASE
60 CYCLES
PRIMARY: 115 VOLTS

250°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary					Net Wgt.	Dimensions			Mounting Dimensions
		Volts, RMS	L Input		C Input			L	W	H	
			DC Volts	DC MA	DC Volts	DC MA					
HP-1	52	100-0-100	85	55	125	33	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈	2 ³ / ₁₆ × 1 ³ / ₄
HP-2	57	210-0-210	180	50	270	30	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ¹⁵ / ₁₆	2 ¹ / ₂ × 2 ¹ / ₁₆
HP-3	62	300-0-300	260	70	380	40	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	2 ¹³ / ₁₆ × 2 ¹ / ₄
HP-4	65	400-0-400	350	85	500	50	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈ × 2 ¹ / ₂

Note: In C Input Filters $\frac{R_s}{R_L} \approx .02$ $\omega CR_L > 15$

PLATE AND FILAMENT TRANSFORMERS — TF4UY03

SINGLE PHASE
60 CYCLES
PRIMARY: 117 VOLTS

CHOKE INPUT FILTER

250°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	High-Voltage Secondary				Filament 1		Filament 2		Net Wgt.	Dimensions		
		Volts, RMS	Approx. DC Volts	DC MA	Filter	Volts	Amps	Volts	Amps		L	W	H
HM-1	52	100-0-100	85	30	L	5v	.6a			3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈
HM-2	57	200-0-200	170	30	L	5v	1a			3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ¹⁵ / ₁₆
HM-3	62	300-0-300	260	45	L	5v	2a			4	4	3 ⁷ / ₁₆	3 ¹ / ₄
HM-4	65	400-0-400	350	55	L	5v	2a	6.3 vct	1a	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂

see page 21-23 for additional technical details

CASED, HIGH TEMPERATURE TRANSFORMERS — 400 CYCLES

350°C MAXIMUM OPERATING TEMPERATURE

ISOLATION TRANSFORMERS — TF4UY01

SINGLE PHASE
400 CYCLES
PRIMARY: 117 VOLTS

250°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Volts	Secondary		Net Wgt.	Dimensions			Mounting Dimensions
			Amps	Test Volts		L	W	H	
HI-50	44	117	.43	2500	2	2 ⁹ / ₁₆	2 ¹ / ₄	2 ¹ / ₈	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆
HI-51	47	117	.70	2500	2 ¹ / ₂	2 ³ / ₄	2 ³ / ₈	2 ¹ / ₄	1 ³ / ₄ × 1 ³ / ₈
HI-52	52	117	1.3	2500	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈	2 ³ / ₁₆ × 1 ³ / ₄
HI-53	57	117	2.4	2500	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ⁵ / ₁₆	2 ¹ / ₂ × 2 ¹ / ₁₆
HI-54	62	117	3.0	2500	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	2 ¹³ / ₁₆ × 2 ¹ / ₄
HI-55	65	117	4.7	2500	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈ × 2 ¹ / ₂

FILAMENT TRANSFORMERS — TF4UY01

SINGLE PHASE
400 CYCLES
PRIMARY: 117 VOLTS

250°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary 1		Secondary 2		Secondary 3		Sec. Test Volts	Net Wgt.	Dimensions			Mounting Dimensions	Reg
		Volts	Amps	Volts	Amps	Volts	Amps			L	W	H		
HF-68	44	6.3 ct	10					2500	2	2 ⁹ / ₁₆	2 ¹ / ₄	2 ¹ / ₈	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆	25%
HF-70	52	10 ct	18					2500	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈	2 ³ / ₁₆ × 1 ³ / ₄	10%
HF-71	47	12.6 ct	7.5					2500	2 ¹ / ₂	2 ³ / ₄	2 ³ / ₈	2 ¹ / ₄	1 ³ / ₄ × 1 ³ / ₈	15%
HF-72	57	25.2 ct	12					2500	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ¹⁵ / ₁₆	2 ¹ / ₂ × 2 ¹ / ₁₆	7%
HF-73	62	25.2 ct	16					2500	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	2 ¹³ / ₁₆ × 2 ¹ / ₄	6%
HF-75	44	5	2	6.3 ct	8			2500	2	2 ⁹ / ₁₆	2 ¹ / ₄	2 ¹ / ₈	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆	25%
HF-76	47	5	4	6.3 ct	10			2500	2 ¹ / ₂	2 ³ / ₄	2 ³ / ₈	2 ¹ / ₄	1 ³ / ₄ × 1 ³ / ₈	15%
HF-77	52	6.3 ct	10	10 ct	10			2500	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈	2 ³ / ₁₆ × 1 ³ / ₄	10%
HF-78	62	25.2 ct	10	12.6 ct	10			2500	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	2 ¹³ / ₁₆ × 2 ¹ / ₄	7%
HF-79	65	25.2 ct	12	25.2	12			2500	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈ × 2 ¹ / ₂	6%
HF-80	57	5	4	12.6t	10	12.6 ct	10	2500	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ¹⁵ / ₁₆	2 ¹ / ₂ × 2 ¹ / ₁₆	8%
HF-81	65	5	6	25.2 ct	10	25.2 ct	10	2500	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈ × 2 ¹ / ₂	7%

PLATE TRANSFORMERS — TF4UY02

SINGLE PHASE
400 CYCLES
PRIMARY: 117 VOLTS

250°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	Secondary					Net Wgt.	Dimensions			Mounting Dimensions
		Volts, RMS	L Input		C Input			L	W	H	
			DC Volts	DC MA	DC Volts	DC MA					
HP-50	44	250-0-250	210	140	310	85	2	2 ⁹ / ₁₆	2 ¹ / ₄	2 ¹ / ₈	1 ⁹ / ₁₆ × 1 ⁵ / ₁₆
HP-51	47	300-0-300	250	160	380	100	2 ¹ / ₂	2 ³ / ₄	2 ³ / ₈	2 ¹ / ₄	1 ³ / ₄ × 1 ³ / ₈
HP-52	52	400-0-400	350	250	490	150	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈	2 ³ / ₁₆ × 1 ³ / ₄
HP-53	57	450-0-450	400	320	560	200	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ⁵ / ₁₆	2 ¹ / ₂ × 2 ¹ / ₁₆
HP-54	62	550-0-550	480	400	710	250	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	2 ¹³ / ₁₆ × 2 ¹ / ₄
HP-55	65	550-0-550	490	600	720	360	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈ × 2 ¹ / ₂

PLATE AND FILAMENT TRANSFORMERS — TF4UY03

SINGLE PHASE
400 CYCLES
PRIMARY: 117 VOLTS

CHOKE INPUT FILTER

250°C AMBIENT
10,000 FT. ALTITUDE
ELECTROSTATIC SHIELD

Catalog Number	Size Code	High-Voltage Secondary			Filament 1		Filament 2		Net Wgt.	Dimensions			
		Volts, RMS	Approx. DC Volts	DC MA	Volts	Amps	Volts	Amps		L	W	H	Reg
HM-50	44	300-0-300	250	60	5	2	6.3 ct	3	2	2 ⁹ / ₁₆	2 ¹ / ₄	2 ¹ / ₈	25%
HM-51	47	300-0-300	250	100	5	2	6.3 ct	4	2 ¹ / ₂	2 ³ / ₄	2 ³ / ₈	2 ¹ / ₄	15%
HM-52	52	400-0-400	340	180	5	3	6.3 ct	4	3	3 ¹ / ₈	2 ¹¹ / ₁₆	2 ⁵ / ₈	10%
HM-53	57	450-0-450	390	250	5	4	6.3 ct	6	3 ¹ / ₂	3 ⁵ / ₈	3 ¹ / ₁₆	2 ⁵ / ₁₆	8%
HM-54	62	550-0-550	490	280	5	6	12.6 ct	5	4	4	3 ⁷ / ₁₆	3 ¹ / ₄	7%
HM-55	65	550-0-550	490	500	5	6	12.6 ct	5	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	7%

see page 21-23 for additional technical details

TRANSFORMER SUBSTITUTION GUIDE

This substitution guide is a listing of competitive units for which there is a comparable RAYTHEON unit. THESE COMPARABLE UNITS MAY HAVE ELECTRICAL AND/OR PHYSICAL DIFFERENCES. Always consult the latest catalogs for exact specifications.

Competitors No.	Raytheon No.	Competitors No.	Raytheon No.	Competitors No.	Raytheon No.
4 FMS-63	CAF-60	C 1722	OAR-13	F-18X	OAF-17
4 FMS-65	CAF-61	C 2303	OAR-3	F-22A	OAF-19
4 FMS-610	CAF-62	C 2304	OAR-7	F-32A	OAF-25
4 FMS-620	CAF-63	C 2305	OAR-4	F-34A	OAF-26
4 PMS-55	CAM-50	C 2308	OAR-13	F-36A	OAF-28
4 PMS-70	CAM-51	C 2309	OAR-7	F 54	CAF 11
4 PMS-85	CAM-52	C 2318	OAR-6	F 58	CAF 12
4 PMS-105	CAM-53	C 2325	OAR-10	F 63	CAF 16
4 PMS-150	CAM-55	C 2326	OAR 10	F 65	CAF 17
4 PMS-120	CAM-54	C 2327	OAR 7	F 104	CAF 20
4 PMS-165	CAM-56	C 2334	OAR 10	F 210	CAF 2
4 PMS-200A	CAM-57	C 2344	OAR 1	F 610	CAF 18
4 PMS-300	CAM-75			F 615	CAF 15
4 RMS-240	CAR-50	CG 33	CAF 16		
4 RMS-255	CAR-51	CG-40	CAR 10	FH 54	CAF 11
4 RMS-270	CAR-52	CG 100	CAR 8	FH 58	CAF 12
4 RMS-285	CAR-53			FH 63	CAF 16
4 RMS-2105	CAR-54	EF 1	EAF 61	FH 65	CAF 17
4 RMS-2120	CAR-55	EF 5	EAF 15	FH 104	CAF 20
4 RMS-2150	CAR-56	EF 6	EAF 63	FH 210	CAF 2
4 RMS-2165	CAR-57			FH 610	CAF 18
4 RMS-2200	CAR-58	EF 8	EAF 60	FH 615	CAF 15
4 RMS-2300	CAR-59				
C-4X	OAR-2	EP 2	EAM 50	FMS 1	CAF 25
C-8X	OAR-5			FMS 2	CAF 26
C-14A	OAR-11	ER 2	EAR 1	FMS 4	CAF 28
C-14X	OAR-11	ER 4	EAR 4	FMS 5	CAF 29
C-15A	OAR-12	ER 5	EAR 9	FMS 6	CAF 30
C-15X	OAR-12	ER 6	EAR 8	FMS 8	CAF 32
C-18A	OAR-13				
C-20A	OAR-15			FT 1	OAF 2
C 1002	OAR-9	F 1	CAF 25	FT 4	OAF 16
C 1355	OAR-5	F-1X	OAF-2	FT 6	OAF 11
C 1410	OAR-8	F 2	CAF 26	FT 7	OAF 20
C 1411	OAR-11	F 4	CAF 28		
C 1412	OAR-12	F 5	CAF 29	H 120	CAF 2
C 1414	OAR-15	F 6	CAF 30	H 124	CAF 11
C 1415	OAR-14	F-7X	OAF-11	H 131	CAF 15
C 1420	OAR-9	F 8	CAF 32	H 133	CAF 18
C 1646	OAR-11	F-8X	OAF-12	H 134	CAF 18
C 1703	OAR-12	F-12X	OAF-13	HSM-203	CAM-6
C 1706	OAR-2	F-18A	OAF-17	HSM-207	CAM-29

RAYTHEON TRANSFORMER SUBSTITUTION GUIDE

Competitors No.	Raytheon No.	Competitors No.	Raytheon No.	Competitors No.	Raytheon No.
HSM-224	CAF-16	PC 8301	OAP 25	RPS 200	CAM 30
HSM-225	CAF 15	PC 8302	OAP 26	R 15	OAR 6
HSM-227	CAF 30	PC 8303	OAP 27	R 20	OAR 11
HSM-229	CAF 18	PC 8304	OAP 28	R 72	OAI 3
HS-303	CAR 2	PC 8305	OAP 30	R 73	OAI 4
HSM-305	CAR 4	PC 8401	OAM 1	R 74	OAI 5
HSM-309	CAR 8	PC 8402	OAM 2	R 103	OAM 30
HSM-315	CAR 10	PC 8403	OAM 3	R 104 A&B	OAM 25
HS-470	CAI 52	PC 8404	OAM 4	R 105 A&B	OAM 28
HS-471	CAI 53	PC 8405	OAM 5	R 107 A&B	OAM 27
HS-474	CAI 54	PC 8406	OAM 26	R 108 A&B	OAM 3
N-55M	OAI 5	PC 8410	OAM 30	R 109 A&B	OAM 27
P-15AL	OAP 32	PC 8412	OAM 33	R 110	OAM 27
P 45	OAP 29	PC 8422	OAM 32	R 111 A&B	CAM 30
P 107	OAP 33	PHC 20	CAM 2	R 112 A&B	OAM 5
P 3026	OAF 11	PHC 40	CAM 4	R 113 A&B	OAM 26
P 3062	OAF 12	PHC 60	CAM 6	R 115 A&B	OAM 29
P 3064	OAF 17	PHC 70	CAM 7	R 116 A&B	OAM 29
P 4022	OAF 32	PHC 105	CAM 8		OAM 33
P 4026	OAF 1	PHC 120	CAM 9	PT 8311	OAP 31
P 4088	OAF 11	PHC 150	CAM 10	PT 8312	CAR 32
P 4089	OAF 17	PHC 200	CAM 11	RH 1055	CAR 1
P 4096	OAF 21	PHC 200A	CAM 20	RH 1085	CAR 3
P 5000	OAF 12	PHR 55	CAM 25	RH 1555	CAR 2
P 5008	OAF 30	PHR 70	CAM 26	RH 1585	CAR 4
P 5009	OAF 31	PHR 105	CAM 27	RH 8105	CAR 5
P 5014	OAF 16	PHR 120	CAM 28	RH 8150	CAR 7
P 5015	OAF 20	PHR 150	CAM 29	RH 8200	CAR 9
P 5016	OAF 21	PHR 200	CAM 30	RH 8250	CAR 11
P 6135	OAF 13	PM 8401	OAM 1	RH 12105	CAR 6
P 6139	OAF 22	PM 8402	OAM 2	RH 12150	CAR 8
P 6143	OAM 31	PM 8403	OAM 3	RH 12200	CAR 10
P 6144	OAF 35	PM 8404	OAM 4	RS 1055	CAR 1
P 6309	OAF 19	PM 8405	OAM 5	RS 1085	CAR 3
P 6333	OAF 37	PM 8406	OAM 26	RS 1555	CAR 2
P 6338	OAF 36	PM 8410	OAM 30	RS 1585	CAR 4
P 6348	OAM 25	PM 8412	OAM 33	RS 8105	CAR 5
P 6410	OAI 3	PM 8422	OAM 32	RS 8150	CAR 7
P 6428	OAF 26	PM 8423	OAM 28	RS 8200	CAR 9
P 6429	OAF 28	PSC 40	CAM 4	RS 8250	CAR 11
P 6430	OAF 25	PSC 60	CAM 6	RS 12105	CAR 6
P 6431	OAF 27	PSC 70	CAM 7	RS 12150	CAR 8
P 6455	OAI 12	PSC 105	CAM 8	RS 12200	CAR 10
P 6456	OAF 17	PSC 120	CAM 9	S 53	CAF 2
P 6461	OAF 22	PSC 150	CAM 10	S 54	CAF 11
P 6466	OAF 16	PSC 205	CAM 20	S 55	CAF 16
P 6467	OAF 11	PSR 55	CAM 25	S 72	CAF 32
P 8175	OAm 27	PSR 70	CAM 26		
P 8176	OAm 29	PSR 105	CAM 27		
		PSR 120	CAM 28		
		PSR 150	CAM 29		

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