

M27-400Hz XFMR
MINIATURE 400Hz TRANSFORMERS
5VA TO 50VA
115V/26V PRIMARY

Electrical ratings: See table I.

Design and construction:

Dimensions and configurations: See figure 1.

Case: Grade 5, encapsulated.

Terminals: The terminals shall be tin-lead plated phosphor bronze.

Altitude: 70,000 feet, maximum.

Operating temperature range: -55°C to +130°C.

Ambient: 90°C ambient.

Smallest possible size.

Printed circuit plug-in and surface-mount construction.

Manufactured in accordance with MIL-PRF-27, Grade 5, Class S.

Resistance to soldering heat: MIL-STD-202, method 210 test condition B. Depth of immersion shall be the entire mounting surface for 4 to 5 seconds.

Bond Strength: MIL-STD-883, method 2011, test condition F.

Force: 2 pounds.

Terminal strength: MIL-STD-202, method 211, test condition A, 2 pounds.

Input primary 115V-400 Hz ± 20 Hz or 26V-400 Hz ± 20 Hz.

Regulation is 8%.

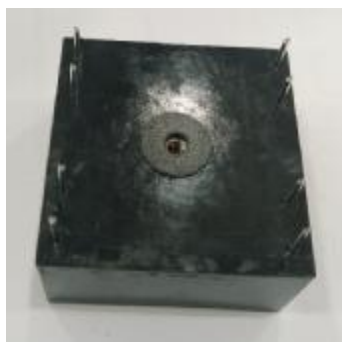
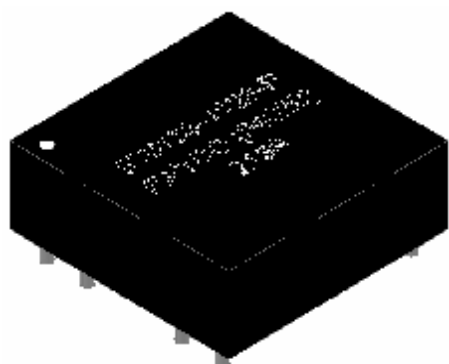
Secondary voltage adjusted to nominal value at half-load,

400 Hz aerospace application.

Moisture resistance: MIL-STD-202, method 106, method of mounting shall be on a test substrate that provide test pieces on inch minimum separation.

Marking location: Marking shall be on top of the case.

Part or Identifying Number (PIN): 5T6155-(dash number from table I)-X(S: surface mount and P: plug-in), RAYCO (04620) and date code.



M27-400Hz XFMR
MINIATURE 400Hz TRANSFORMERS
5VA TO 50VA
115V/26V PRIMARY

TABEL I. ELECTRICAL CHARACTERISTICS.

Model Number 115V Primary	Model Number 26V Primary	Sec/Current mA	Sec/Voltage V	Configuration	Weight Gram
5T6155-151-X	5T6155-251-X	1000	5.0 CT	1	52
5T6155-152-X	5T6155-252-X	3000		2	65
5T6155-153-X	5T6155-253-X	5000		3	100
5T6155-154-X	5T6155-254-X	7000		4	145
5T6155-155-X	5T6155-255-X	10000		5	195
5T6155-161-X	5T6155-261-X	833	6.0 CT	1	52
5T6155-162-X	5T6155-262-X	2500		2	65
5T6155-163-X	5T6155-263-X	4166		3	100
5T6155-164-X	5T6155-264-X	5833		4	145
5T6155-165-X	5T6155-265-X	8333		5	195
5T6155-191-X	5T6155-291-X	555	9.0 CT	1	52
5T6155-192-X	5T6155-292-X	1666		2	65
5T6155-193-X	5T6155-293-X	2777		3	100
5T6155-194-X	5T6155-294-X	3888		4	145
5T6155-195-X	5T6155-295-X	5555		5	195
5T6155-1121-X	5T6155-2121-X	417	12 CT	1	52
5T6155-1122-X	5T6155-2122-X	1250		2	65
5T6155-1123-X	5T6155-2123-X	2083		3	100
5T6155-1124-X	5T6155-2124-X	2917		4	145
5T6155-1125-X	5T6155-2125-X	4166		5	195
5T6155-1141-X	5T6155-2141-X	357	14 CT	1	52
5T6155-1142-X	5T6155-2142-X	1071		2	65
5T6155-1143-X	5T6155-2143-X	1786		3	100
5T6155-1144-X	5T6155-2144-X	2500		4	145
5T6155-1145-X	5T6155-2145-X	3571		5	195
5T6155-1151-X	5T6155-2151-X	333	15 CT	1	52
5T6155-1152-X	5T6155-2152-X	1000		2	65
5T6155-1153-X	5T6155-2153-X	1667		3	100
5T6155-1154-X	5T6155-2154-X	2333		4	145
5T6155-1155-X	5T6155-2155-X	3333		5	195
5T6155-1221-X	5T6155-2221-X	227	22 CT	1	52
5T6155-1222-X	5T6155-2222-X	681		2	65
5T6155-1223-X	5T6155-2223-X	1136		3	100
5T6155-1224-X	5T6155-2224-X	1591		4	145
5T6155-1225-X	5T6155-2225-X	2272		5	195
5T6155-1241-X	5T6155-2241-X	208	24 CT	1	52
5T6155-1242-X	5T6155-2242-X	625		2	65
5T6155-1243-X	5T6155-2243-X	1041		3	100
5T6155-1244-X	5T6155-2244-X	1450		4	145
5T6155-1245-X	5T6155-2245-X	2083		5	195

* Configuration: X noting use type -- S=Surface-mount and P=Plug-in
Last numerical digit references size of unit.

M27-400Hz XFMR
MINIATURE 400Hz TRANSFORMERS
5VA TO 50VA
115V/26V PRIMARY

TABEL I. ELECTRICAL CHARACTERISTICS - CONTINUED.

Model Number 115V Primary	Model Number 26V Primary	Sec/Current mA	Sec/Voltage V	Configuration	Weight Gram
5T6155-1281-X	5T6155-2281-X	178	28 CT	1	52
5T6155-1282-X	5T6155-2282-X	535		2	65
5T6155-1283-X	5T6155-2283-X	892		3	100
5T6155-1284-X	5T6155-2284-X	1250		4	145
5T6155-1285-X	5T6155-2285-X	1786		5	195
5T6155-1361-X	5T6155-2361-X	138	36 CT	1	52
5T6155-1362-X	5T6155-2362-X	416		2	65
5T6155-1363-X	5T6155-2363-X	694		3	100
5T6155-1364-X	5T6155-2364-X	972		4	145
5T6155-1365-X	5T6155-2365-X	1389		5	195
5T6155-1481-X	5T6155-2481-X	104	48 CT	1	52
5T6155-1482-X	5T6155-2482-X	312		2	65
5T6155-1483-X	5T6155-2483-X	521		3	100
5T6155-1484-X	5T6155-2484-X	729		4	145
5T6155-1485-X	5T6155-2485-X	1043		5	195
5T6155-1751-X	5T6155-2751-X	67	75 CT	1	52
5T6155-1752-X	5T6155-2752-X	200		2	65
5T6155-1753-X	5T6155-2753-X	333		3	100
5T6155-1754-X	5T6155-2754-X	467		4	145
5T6155-1755-X	5T6155-2755-X	676		5	195
5T6155-11001-X	5T6155-21001-X	50	100 CT	1	52
5T6155-11002-X	5T6155-21002-X	150		2	65
5T6155-11003-X	5T6155-21003-X	250		3	100
5T6155-11004-X	5T6155-21004-X	350		4	145
5T6155-11005-X	5T6155-21005-X	500		5	195
5T6155-11101-X	5T6155-21101-X	45	110 CT	1	52
5T6155-11102-X	5T6155-21102-X	136		2	65
5T6155-11103-X	5T6155-21103-X	227		3	100
5T6155-11104-X	5T6155-21104-X	318		4	145
5T6155-11105-X	5T6155-21105-X	454		5	195
5T6155-11151-X	5T6155-21151-X	43	115 CT	1	52
5T6155-11152-X	5T6155-21152-X	130		2	65
5T6155-11153-X	5T6155-21153-X	217		3	100
5T6155-11154-X	5T6155-21154-X	304		4	145
5T6155-11155-X	5T6155-21155-X	434		5	195

* Configuration: X noting use type -- S=Surface-mount and P=Plug-in
Last numerical digit references size of unit.

M27-400Hz XFMR
MINIATURE 400Hz TRANSFORMERS
5VA TO 50VA
115V/26V PRIMARY

FIGURE 1. DIMENSIONS AND CONFIGURATION

SIZE	Max Height		A	B	C	D		E	F	F	Insert
	Surface mount	Plug-in				Surface mount	Plug-in				
1	0.725 (18.42)	0.700 (17.78)	1.375 (34.93)	0.300 (7.62)	0.400 (10.16)	1.500 (38.10)	1.180 (29.98)	1.625 (41.27)	0.225 (5.72)	0.125 (3.18)	#6-32 UNC
2	0.800 (20.32)	0.825 (20.95)	1.500 (38.10)	0.300 (7.62)	0.500 (12.70)	1.625 (41.27)	1.330 (33.76)	1.750 (44.45)	0.225 (5.72)	0.125 (3.18)	#6-32 UNC
3	0.850 (21.59)	0.825 (20.95)	1.625 (41.28)	0.300 (7.62)	0.700 (17.78)	1.750 (44.45)	1.400 (35.57)	1.875 (47.63)	0.250 (6.35)	0.125 (3.18)	#6-32 UNC
4	0.950 (24.13)	0.925 (23.49)	1.750 (44.45)	0.300 (7.62)	0.800 (20.32)	1.875 (47.63)	1.570 (39.89)	2.000 (50.80)	0.250 (6.35)	0.125 (3.18)	#6-32 UNC
5	1.050 (26.67)	1.025 (26.03)	2.000 (50.80)	0.300 (7.62)	0.900 (22.86)	2.125 (53.98)	1.800 (45.73)	2.250 (57.15)	0.250 (6.35)	0.125 (3.18)	#6-32 UNC

NOTES:

1. DIMENSIONS ARE IN INCHES (MILLIMETERS).
2. UNLESS OTHERWISE SPECIFIED. ALL TOLERANCES ARE ± 0.010 INCHES.

