

SAFETY ORGANIZATIONS

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

UL RECOGNIZED: UL 1283
 CSA CERTIFIED: CSA C22.2 No. 8
 VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 100 AMP 277 VAC LINE TO GROUND AND 480VAC PHASE TO PHASE

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND: 8.7 mA @ 277VAC 50 HZ

OPERATING AMBIENT TEMP. RANGE: -10°C TO +50°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T_a, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{50}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C
 HUMIDITY: 21 DAYS @ 50°C 95% RH.
 CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: .80 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.1 μF±20%
 LINE TO LINE: 6.6 μF±20%
 DISCHARGE RESISTOR: 1.5 / .66 MΩ L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000Ω (MIN.) 100VDC, 20°C AND 50% RH@

CUSTOMER DRAWING

CATALOG # 100BCF6R

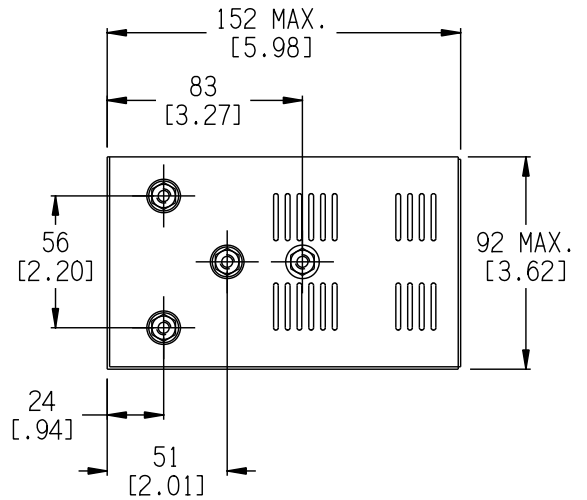
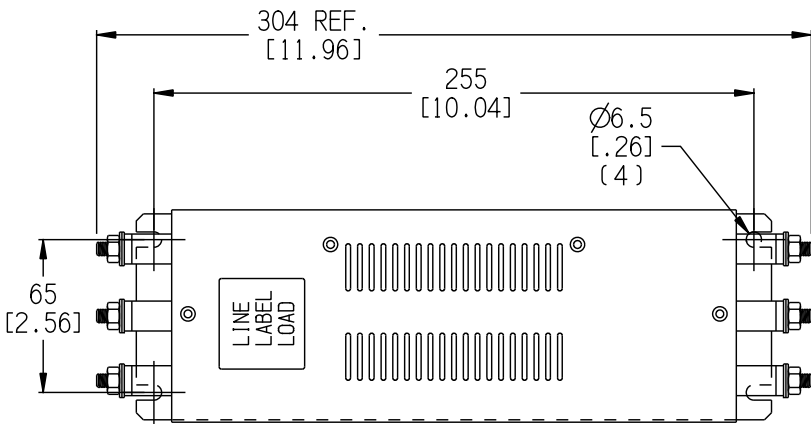
ECN#	APPRVD	DATE
15-015324	HS	21OCT15

RECOMMENDED RECEIVING INSPECTION HIPOT:

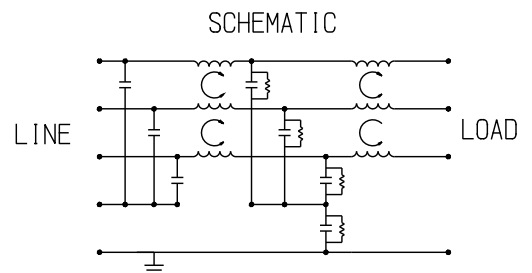
LINE TO GROUND: 1850 VDC FOR 1 MINUTE
 LINE TO LINE: 1850 VDC FOR 1 MINUTE

FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.



M6 STUDS (8)
 TORQUE TO 3.7 Nm / 33 IN-LB MAX.



NOTES:

1.) INSULATED TERMINALS ARE RECOMMENDED FOR WIRING TO THE FILTER

50Ω - 50Ω (TYPICAL) INSERTION LOSS

FREQUENCY MHz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	10	30
COMMON dB	1	5	12	24	32	49	58	60	53	42	30	14
DIFF. dB	28	37	38	47	70	73	76	78	68	64	58	34

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

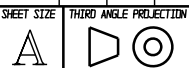
UNLESS OTHERWISE SPECIFIED
 TOLERANCE TO BE ±0.64 [±0.025]
 MATERIAL & FINISH: AS SUPPLIED
 DIMENSIONS IN MM [INCHES]

NOTES:



CUSTOMER DRAWING

TE PART NO.: 3-1609989-6			
SCALE: NTS	DATE: 30OCT15	DRAWING NUMBER: 100BCF6R	
DRW. BY: HS	DRG: HS	REV. A	



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