

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: 7 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: 2.43 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.1 μF±20%
 LINE TO LINE: 3.3 μF±20%
 DISCHARGE RESISTOR: 1.5 / .66 MΩ L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000MΩ (MIN.) 100VDC, 20°C AND 50% RH@

CUSTOMER DRAWING

CATALOG # 7BCF6R

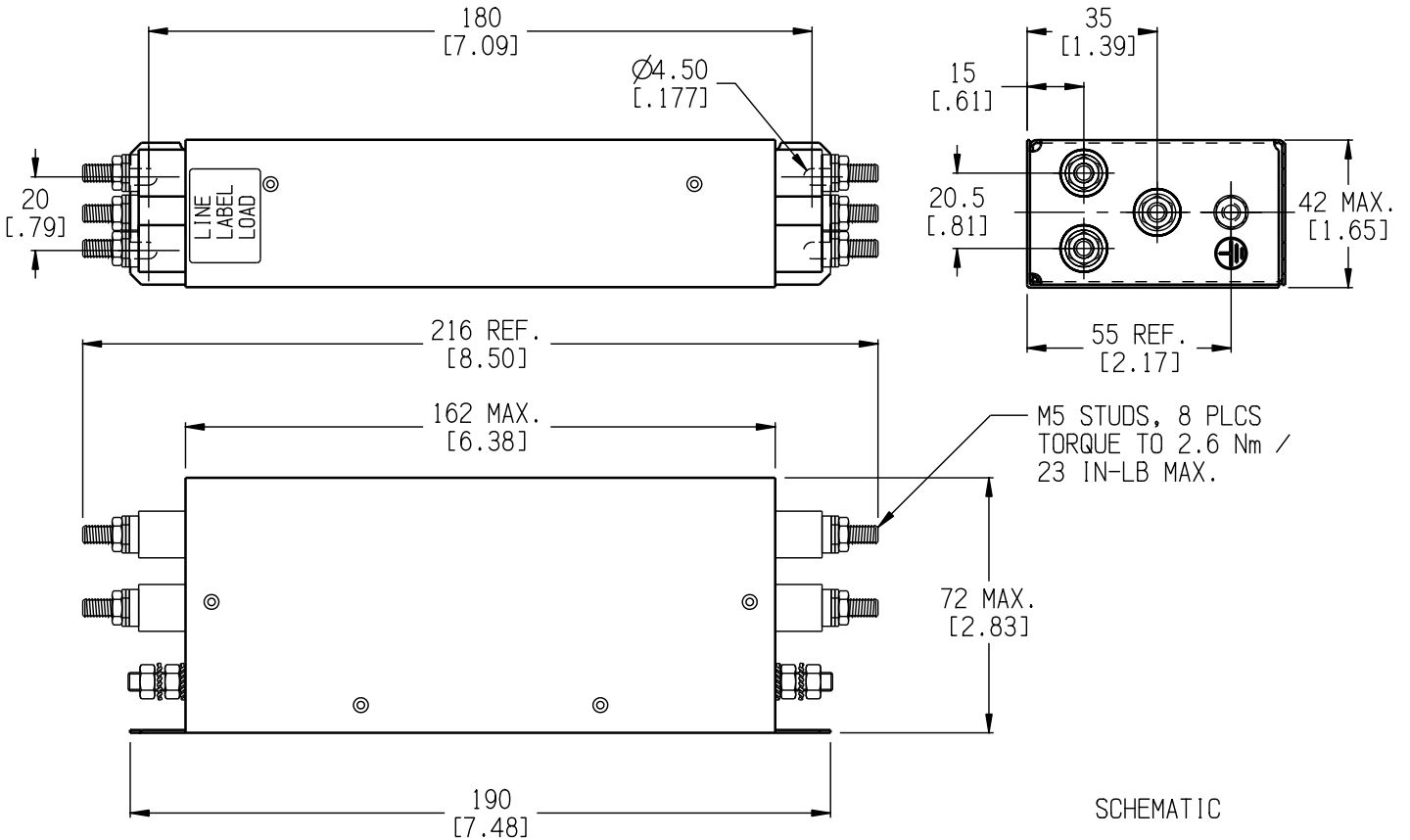
ECN#	APPRVD	DATE
15-015324	HS	20OCT15

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.



50Ω - 50Ω (TYPICAL) INSERTION LOSS

FREQUENCY MHz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	10	30
COMMON dB	4	16	24	37	45	60	77	57	42	35	25	10
DIFF. dB	16	23	28	54	67	89	85	76	67	62	57	46

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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:

TE Connectivity

CUSTOMER DRAWING

TE PART NO.: 3-1609989-0

SCALE: NTS	DATE: 30OCT15	DRAWING NUMBER: 7BCF6R	REV. A
DRW. BY: HS	DRIG: HS		

7BCF6R-A.cxd