

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: 75 AMP 277 VAC LINE TO GROUND
 75 AMP 480 VAC PHASE TO PHASE

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND: 30mA @ 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: 1.06 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 2.17 μ F±20%
 LINE TO LINE: 6.60 μ F±20%
 DISCHARGE RESISTOR: 660K Ω
 NO DISCHARGE RESISTOR: 6000M Ω (MIN.) 100VDC,
 20°C AND 50% RH@

RECOMMENDED RECEIVING INSPECTION HIPOT:

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

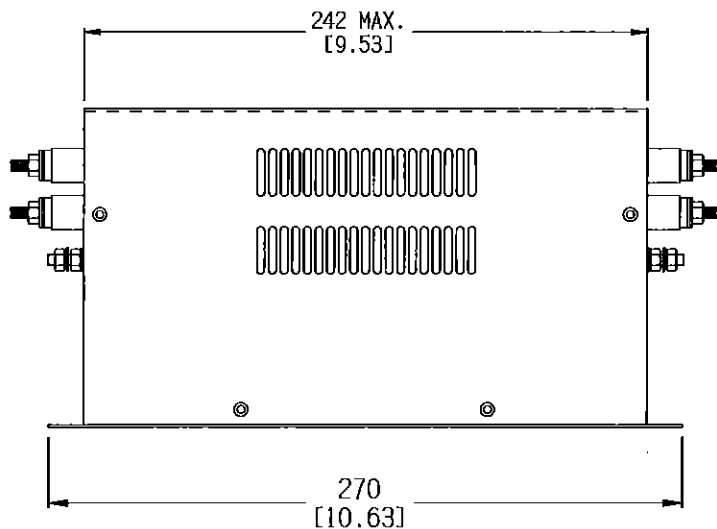
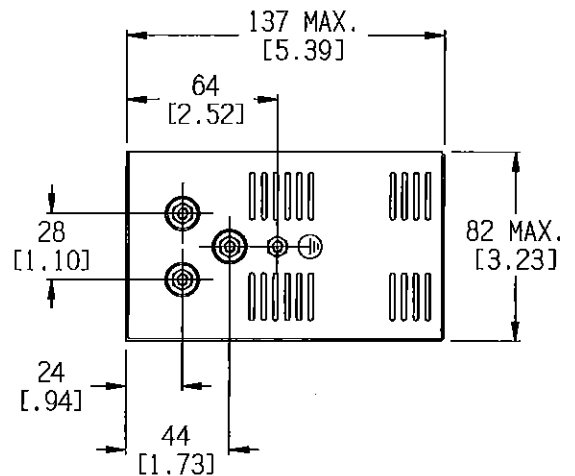
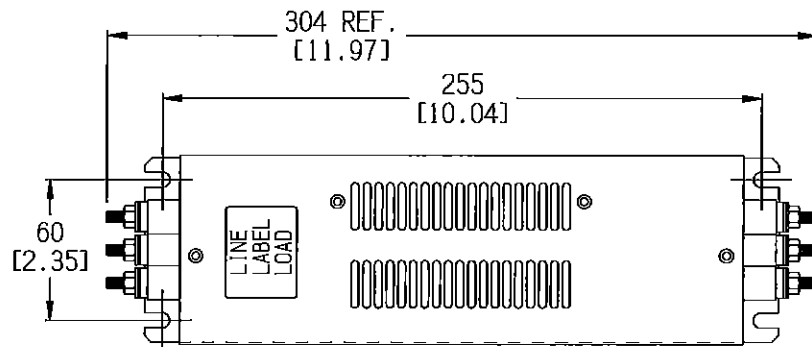
FILTER APPROVAL:

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

CUSTOMER DRAWING

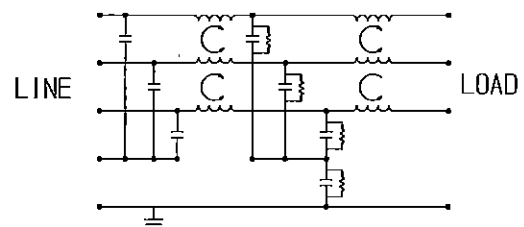
CATALOG # 75BCF6

ECN#	APPRVD	DATE
15-011624	TAM	08DEC15



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

SCHEMATIC



NOTES:

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

50 Ω - 50 Ω (TYPICAL) INSERTION LOSS

FREQUENCY MHz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	10	30
COMMON dB	12	30	40	53	60	84	90	70	50	42	30	15
DIFF. dB	27	35	35	50	66	87	86	72	62	58	53	35

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 TE Connectivity

CUSTOMER DRAWING

TE PART NO.: 3-1609091-0

SCALE:	NTS	DATE:	300CT15	DRAWING NUMBER:	REV.
DRW. BY:	HS	DATE:	HS	75BCF6	A



THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION.
 (www.TE.com)

75BCF6-A.cxd