

CUSTOMER DRAWING		
CATALOG # 130BCF6		
ECR#	APPRVD	DATE
15-011624	TAM	08DEC15

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

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 30 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:

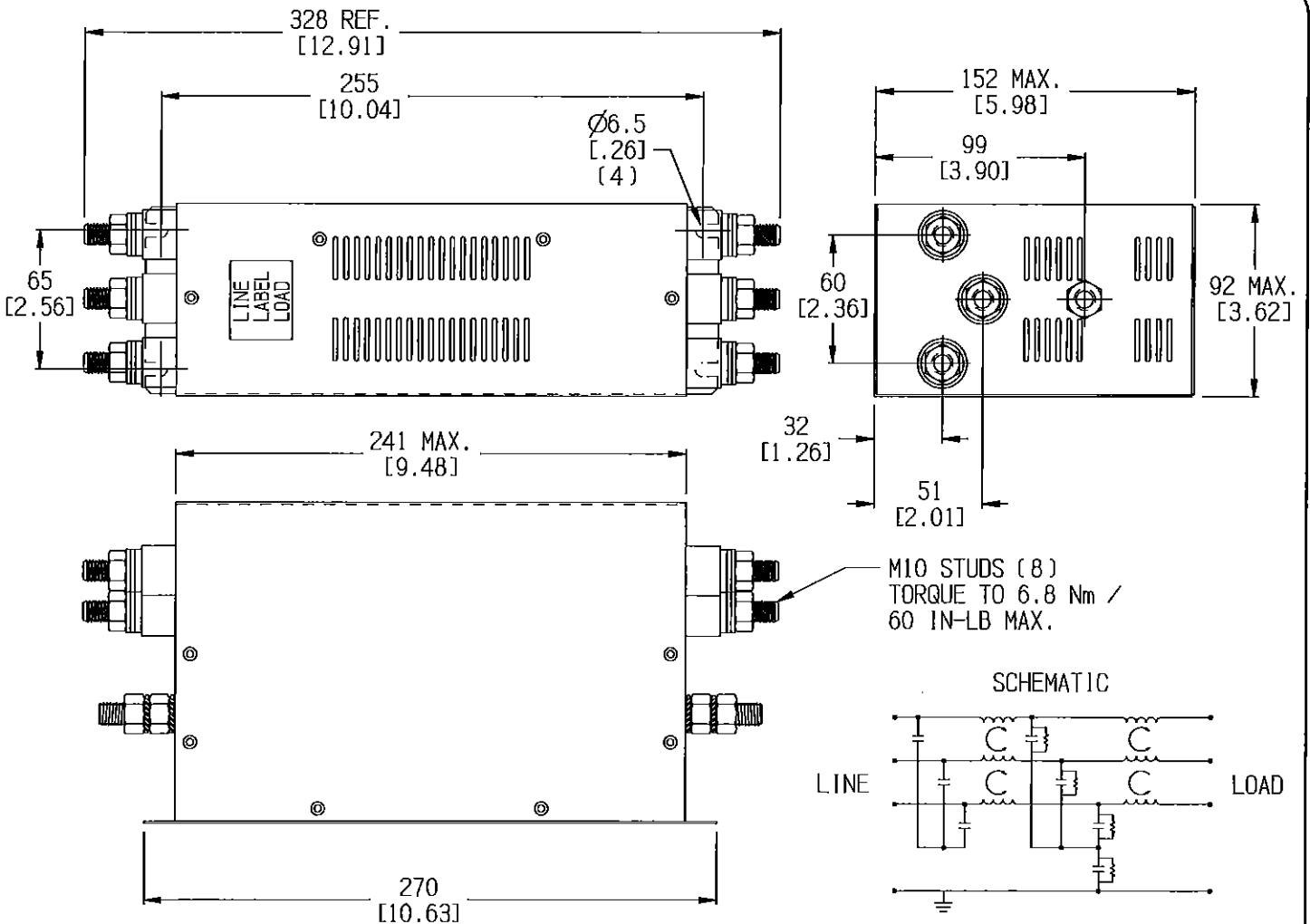
INDUCTANCE: .55 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 2.17 μF±20%
LINE TO LINE: 6.60 μF±20%
DISCHARGE RESISTOR: 660K Ω
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) 100VDC, 20°C AND 50% RH@

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.



- 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	11	26	35	48	55	78	83	67	49	40	29	15
DIFF. dB	27	37	40	38	53	75	80	64	54	50	47	30

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.: 3-1609091-2	

SHEET SIZE THIRD ANGLE PROJECTION

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)

130BCF6-A-ck4

SCALE: NTS	DATE: 30DEC15	DRAWING NUMBER: 130BCF6	REV: A
DRW. BY: HS	DRG: HS		