

**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<sub>r</sub>.

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

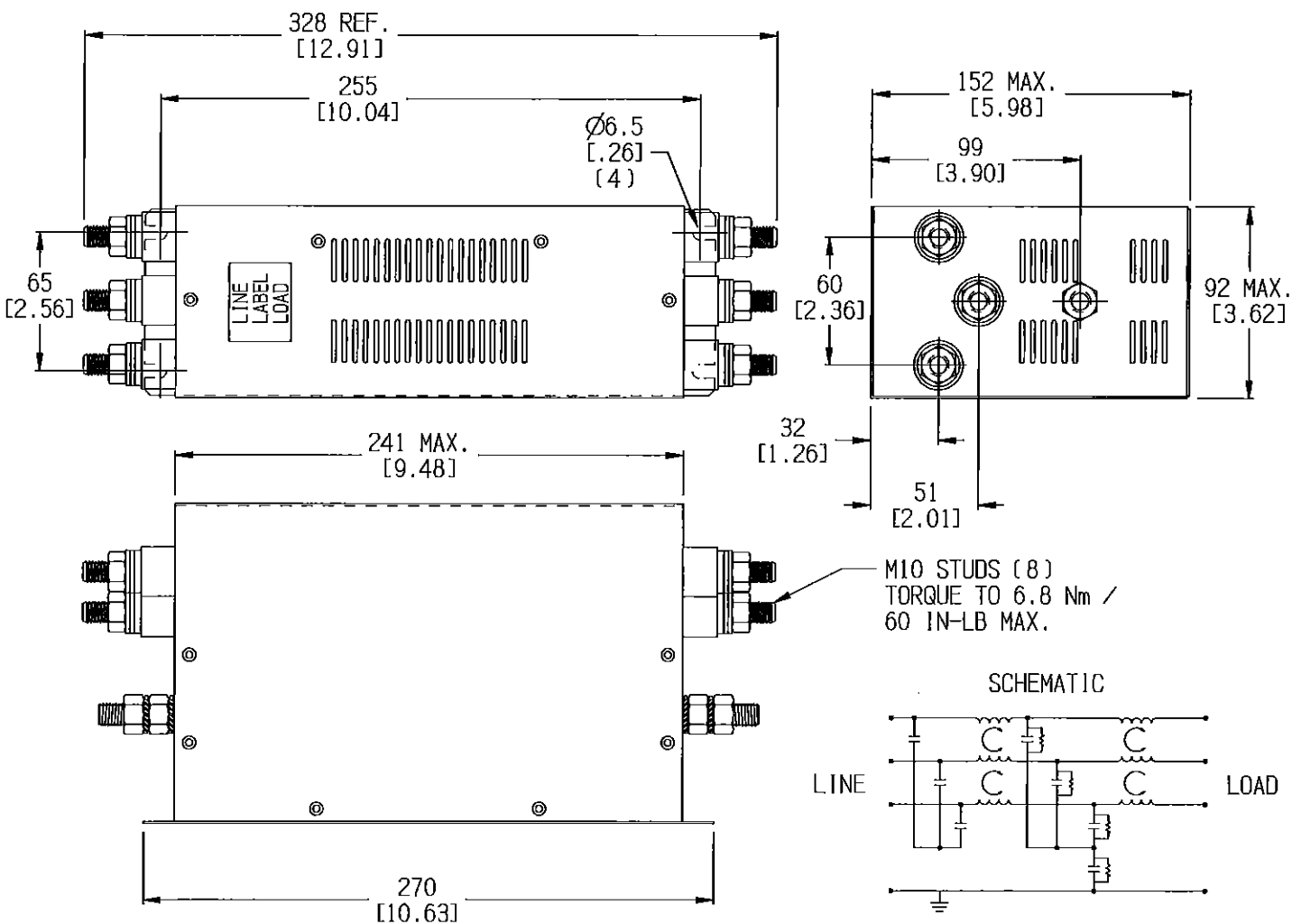
INDUCTANCE: .55 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 2.17 μF±20%  
 LINE TO LINE: 6.60 μF±20%  
 DISCHARGE RESISTOR: 660K Ω  
 NO DISCHARGE RESISTOR: 6000MΩ (MIN.) 100VDC, 20°C AND 50% RH@

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

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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** TE Connectivity

**CUSTOMER DRAWING**

TE PART NO.: 3-1609091-2

SCALE: NTS	DATE: 30OCT15	DRAWING NUMBER: 130BCF6	REV: A
DRW. BY: HS	CRG: HS		

130BCF6-A-ck4

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