

**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: 30 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<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: 1.60 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.1 μF±20%  
 LINE TO LINE: 4.95 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@

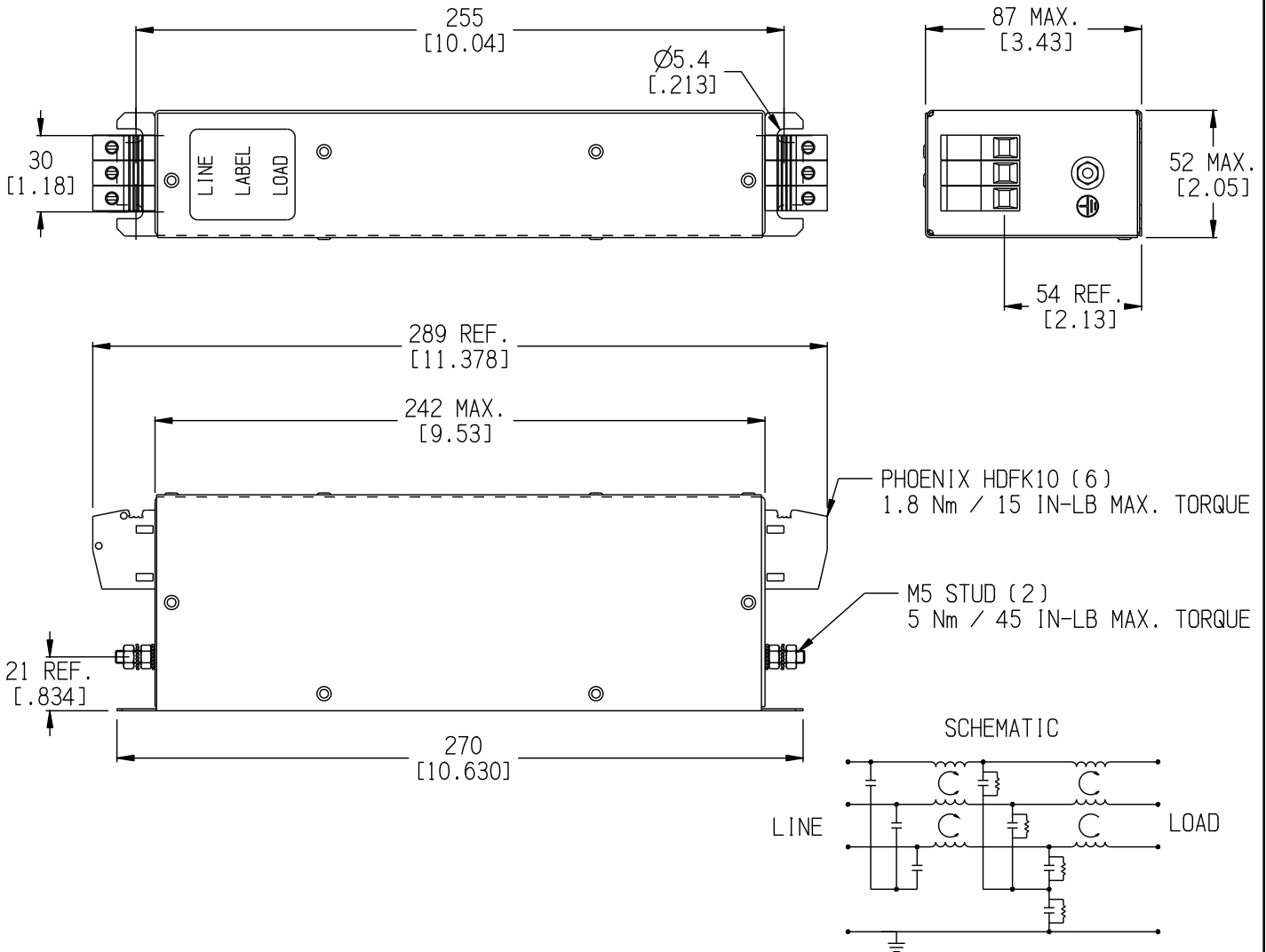
**RECOMMENDED RECEIVING INSPECTION HIPOT:**

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 # 30BCF10R		
ECN#	APPRVD	DATE
15-015324	HS	200CT15



50Ω - 50Ω (TYPICAL) INSERTION LOSS											
FREQUENCY MHz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	30
COMMON dB	1	11	19	30	38	54	58	61	71	54	20
DIFF. dB	23	31	29	49	62	87	84	78	68	62	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:		
<b>TE</b> TE Connectivity		
<b>CUSTOMER DRAWING</b>		
TE PART NO.: 2-1609989-2		
SCALE: NTS	DATE: 30OCT15	DRAWING NUMBER: 30BCF10R
DRW. BY: HS	DRIG: HS	REV. A