



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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: 100 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: .80 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.1 μF±20%
 LINE TO LINE: 6.6 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@

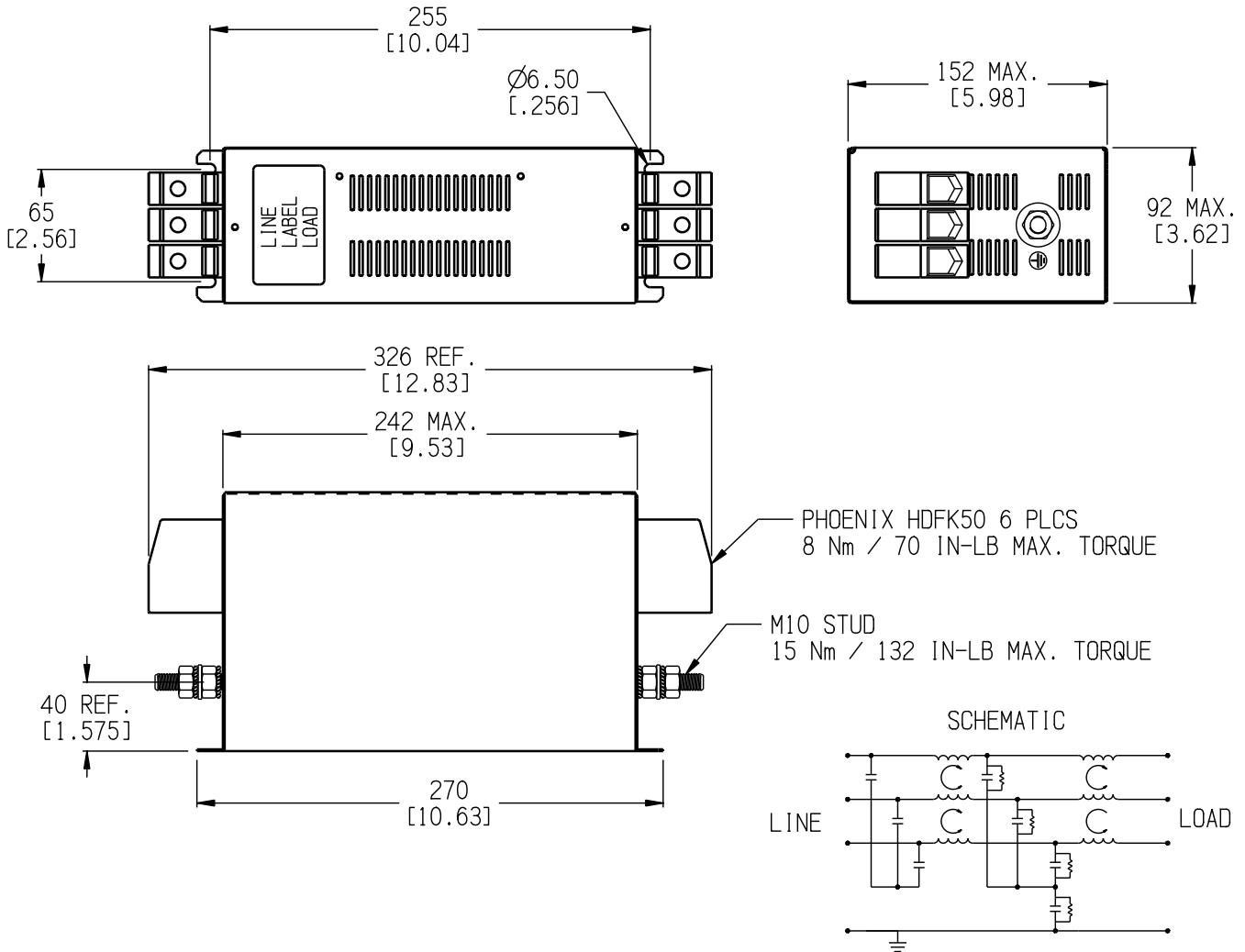
RECOMMENDED RECEIVING INSPECTION HIPOT:

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 # 100BCF10R		
ECN#	APPRVD	DATE
15-015324	HS	21AUG15



50Ω - 50Ω (TYPICAL) INSERTION LOSS											
FREQUENCY MHz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	30
COMMON dB	7	12	19	30	38	56	64	66	59	48	19
DIFF. dB	28	37	38	47	70	73	76	78	68	64	34

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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.: 2-1609989-6	
SCALE: NTS	DATE: 30OCT15
DRW. BY: HS	DRIG: HS
DRAWING NUMBER: 100BCF10R	
REV. A	