

**RES70F16****Rev. 0****CHARACTERISTICS:**

Rated Voltage:	250VAC max
Rated Current at Ambient:	16A @ 40°C
Operating Frequency:	DC-400HZ
Climatic Class (IEC60068-1):	25/100/21
Temperature Range:	-25°C to +100°C
Over load Current:	1.5 x Rated Ct. for 1 Min
Operational Leakage current : (at 230VAC/50Hz and Total C +/-20%)	0.734 mA max
Worst case Leakage current : ( N interrupted and Total C +/-20%)	<1.101 mA max
DCR @ 25°C (+/-25%) :	100 mΩ
Test Voltage (100%) for 2 sec:-	
L-N:	1100VDC
L-GND:	3000VDC
Ingress Protection:	IP 20
Weight (Approximate):	600 gr

**FILTER PARAMETERS:**

Total Inductance (L-L'+N-N') @10KHz:	5.6mH +50%,-30%
Total Capacitance (L-L/L-N) @1KHz:	2μF +/- 20%
Total Capacitance (L/N-GND) @1KHz:	9.4nF +/- 20%
Total Resistance (L-L/L-N):	0.22MΩ +/- 10%
Total Resistance (L/N-GND):	

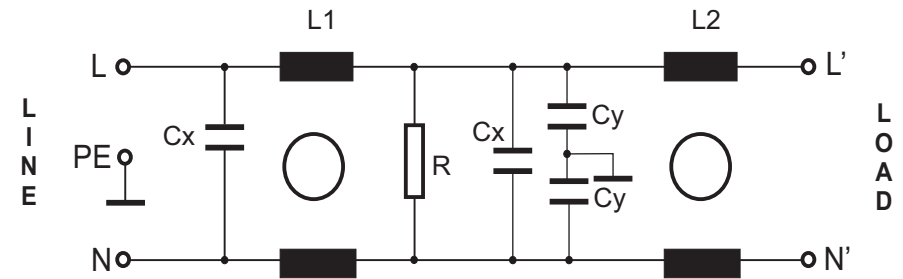
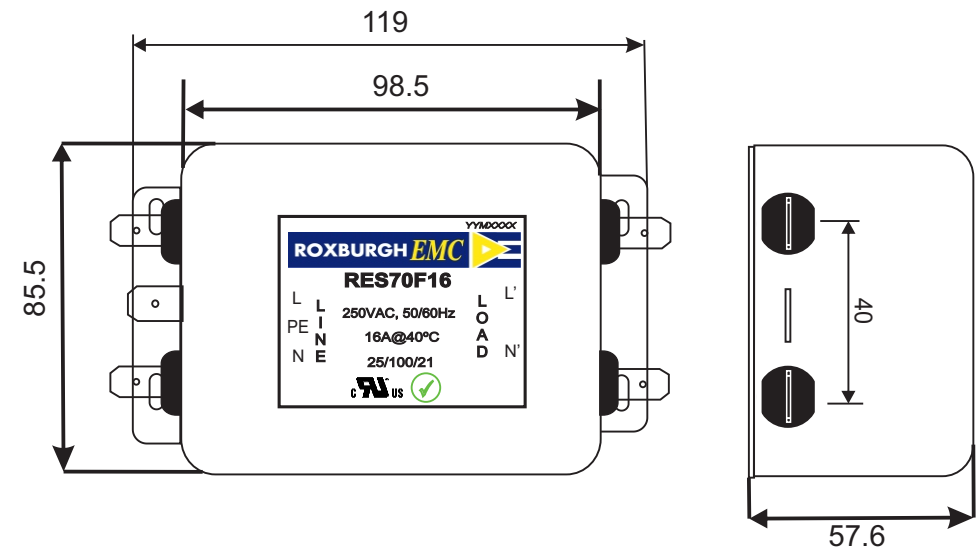
**APPROVALS:**

REACH  
RoHS  
UL



APPROVED  
BY  
AJAY

Date: 28-03-2014

**CIRCUIT DIAGRAM:****MECHANICAL DIMENSION (mm):****Note:**

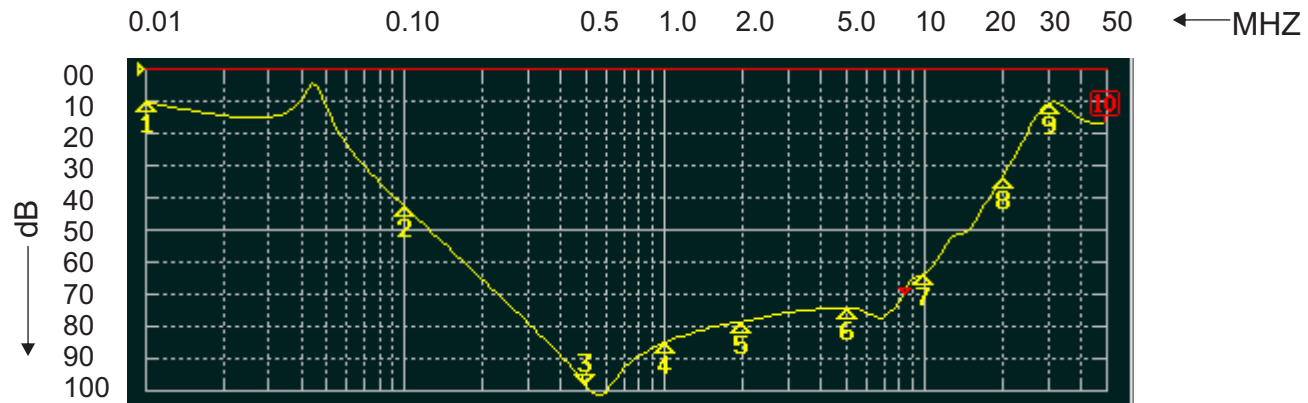
Housing matl. Fe with Ni Plated  
Fast-On Terminal ( 6.3 x 0.8mm)  
Connections

TOLERANCE: +/-1.0 mm

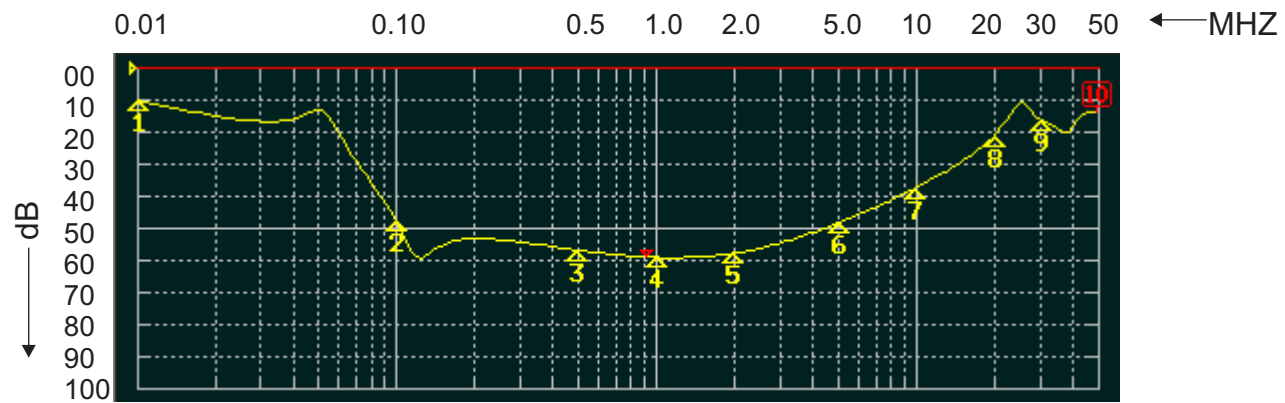


**ROXBURGH EMC**  
FILTER INSERTION LOSS CHARACTERISTICS  
CISPR 17 - 50 OHM METHOD

**RES70F16**



COMMON MODE



DIFFERENTIAL MODE

