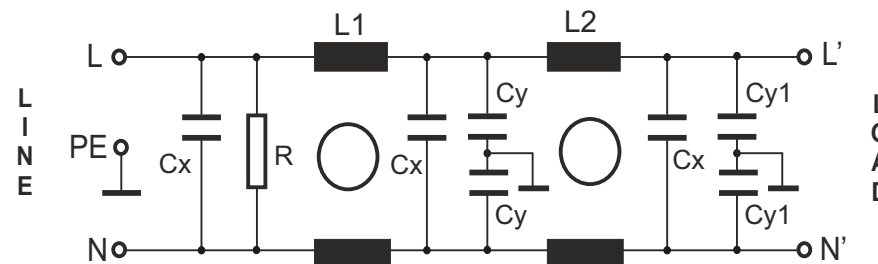
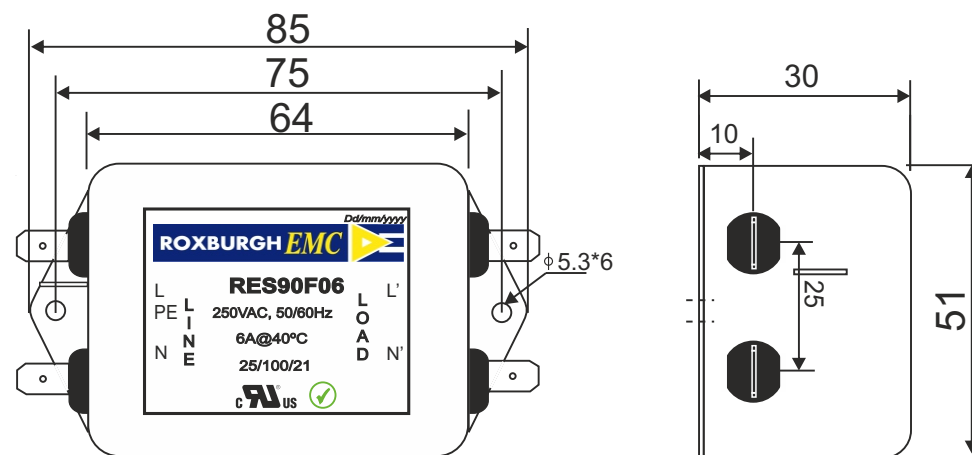


|                                                                                        |                              |
|----------------------------------------------------------------------------------------|------------------------------|
| RES90F06                                                                               | Rev. 0                       |
| <b>CHARACTERISTICS:</b>                                                                |                              |
| Rated Voltage:                                                                         | 250VAC max                   |
| Rated Current at Ambient:                                                              | 6A @ 40°C                    |
| Operating Frequency:                                                                   | DC-60HZ                      |
| Climatic Class (IEC60068-1):                                                           | 25/100/21                    |
| Temperature Range:                                                                     | -25°C to +100°C              |
| Over load Current:                                                                     | 1.5 x Rated Ct.<br>for 1 Min |
| Operational Leakage current :<br>( at 230VAC and Total C +/-20%)                       | 0.67 mA max                  |
| Worst case Leakage current :<br>( N interrupted and Total C +/-20%)                    | <1.34 mA max                 |
| DCR @ 25°C (+/-25%) :                                                                  | 100 mΩ                       |
| Test Voltage (100%) for 2 sec:-                                                        | P-P: 1100VDC                 |
|                                                                                        | P-GND: 3000VDC               |
| Ingress Protection:                                                                    | IP 20                        |
| Weight (approximate):                                                                  | 200 gr                       |
| <b>FILTER PARAMETERS:</b>                                                              |                              |
| Total Inductance (P-P'+N-N') @10KHz:                                                   | 16mH +50%,-30%               |
| Total Capacitance (P-P/P-N) @1KHz:                                                     | 1.41μF +/- -20%              |
| Total Capacitance (P/N-GND) @1KHz:                                                     | 8.6nF +/- -20%               |
| Total Resistance (P-P/P-N):                                                            | 330K Ω +/- -10%              |
| Total Resistance (P/N-GND):                                                            |                              |
| <b>APPROVALS:</b> REACH<br>RoHS<br>UL                                                  | APPROVED BY<br>AJAY          |
|                                                                                        | DATE:28-03-2014              |
|     |                              |
|     |                              |
| Tel:- +44(0) 1724 273200<br>email:- sales@dem-uk.com<br>web :- www.dem-uk.com/roxburgh |                              |

### CIRCUIT DIAGRAM:



### MECHANICAL DIMENSION (mm):



### Note:

Housing matl. Fe with Ni Plated  
Fast-On Terminal ( 6.38 x 0.8mm)  
Connections

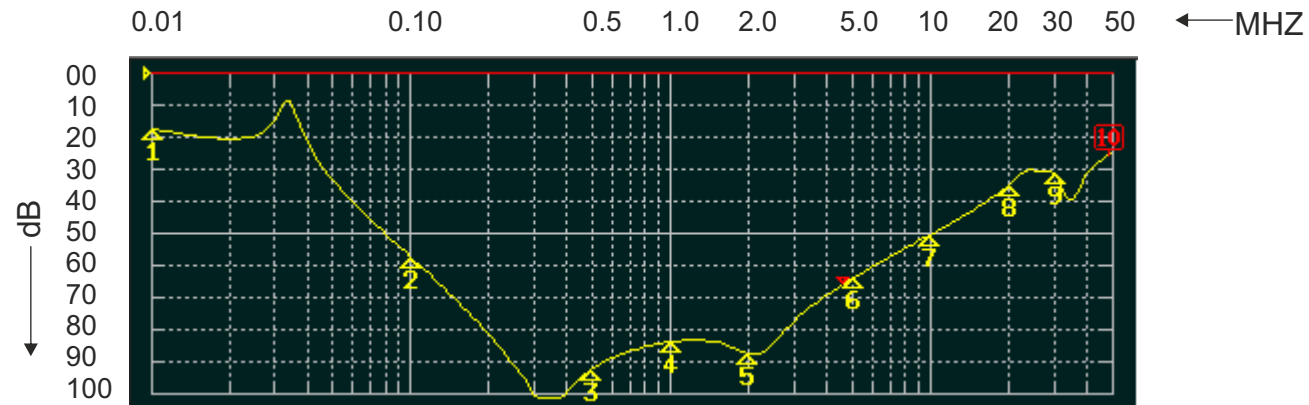
TOLERANCE: +/-1.0 mm



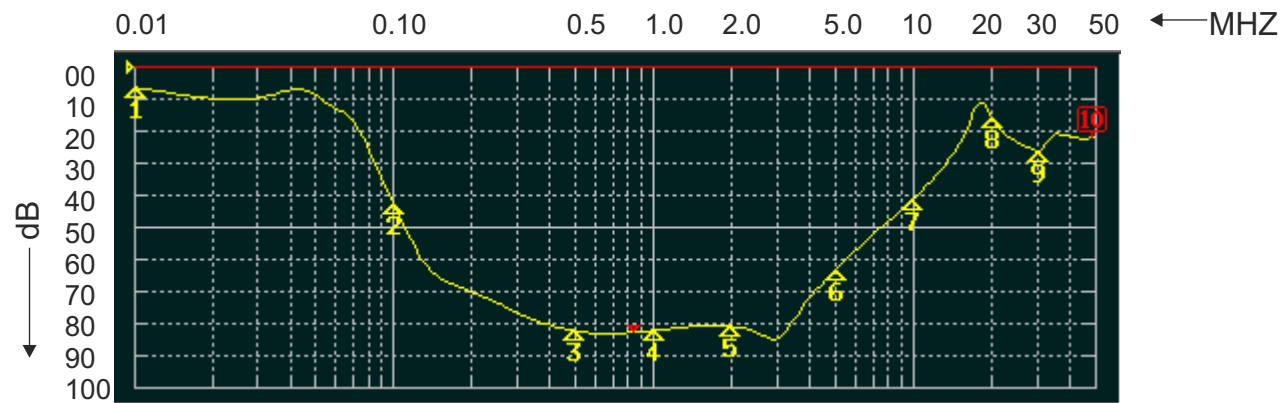
# ROXBURGH EMC

## FILTER INSERTION LOSS CHARACTERISTICS CISPR 17 - 50 OHM METHOD

RES90F06



COMMON MODE



DIFFERENTIAL MODE

