

## RP188 Series

## IEC Inlet Single Stage Power Line Filter

### RP188 IEC INLET TO 10A DUAL FUSE/ SWITCH

ROHS COMPLIANT



### SPECIFICATIONS

|                        |                  |
|------------------------|------------------|
| Operating Freq.        | : 50/60Hz        |
| Max. Operating Voltage | : 250V +10%      |
| Ambient Temperature    | : -25 to 40C     |
| Climatic Category      | : 25/100/21      |
| Hipot Rating (L-G)     | : 2121VDC        |
| Plastic Mtg Force      | : 18 LBS         |
| Terminals (-T)         | : QD: 0.187 Tabs |
| Safety Approvals       | : cURus, EN60939 |
| Typ. Weight, LBS (KG)  | : 0.2 (0.1)      |

### LEAKAGE CURRENT

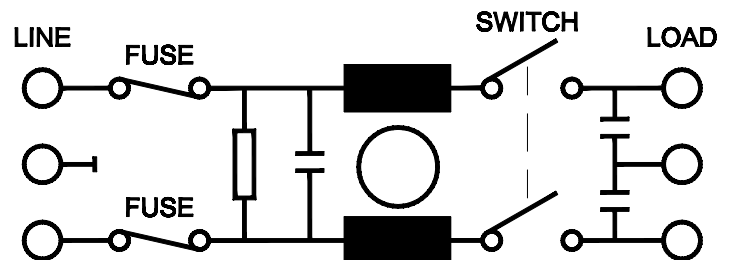
| Y-cap, nF | mA,<br>120V/60Hz | mA,<br>250V/60Hz |
|-----------|------------------|------------------|
| 0         | 0                | 0                |
| .47       | 0.04             | 0.08             |
| 1         | 0.09             | 0.18             |
| 2.2       | 0.2              | 0.4              |
| 4.7       | 0.4              | 0.8              |

### PART NUMBER/ ORDERING

| RP188 | -X<br>(Amps) | -Y<br>(Ycap, nF) | -T |
|-------|--------------|------------------|----|
|       | 3            | 0                | QD |
|       | 6            | .47              |    |
|       | 10           | 1                |    |
|       |              | 2.2              |    |
|       |              | 4.7              |    |

**Note:** Use any combination of -Y with any -X (Amps) rating  
e.g. RP188-3-4.7-QD (3Amps with 4.7nF Ycap)

### SCHEMATIC



## RP188

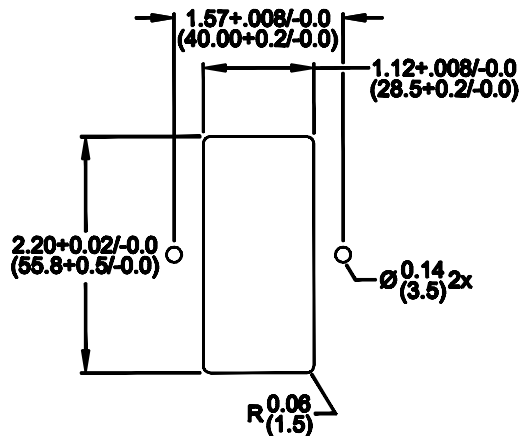
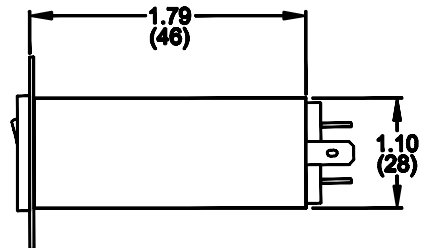
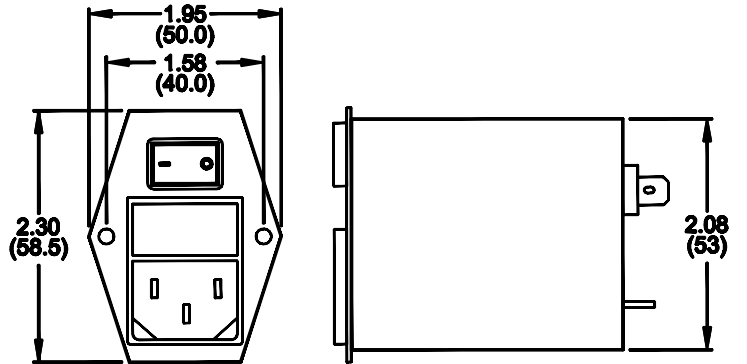
Typical Insertion Loss, dB (50/50ohm)

Mechanical Dimensions

| 3 Amp      |     |    |     |    |    |
|------------|-----|----|-----|----|----|
| FREQ (MHz) | .15 | .5 | 1.0 | 10 | 30 |
| CM(dB)     | 28  | 38 | 50  | 50 | 50 |
| DM(dB)     | 18  | 28 | 38  | 60 | 60 |

| 6 Amp      |     |    |     |    |    |
|------------|-----|----|-----|----|----|
| FREQ (MHz) | .15 | .5 | 1.0 | 10 | 30 |
| CM(dB)     | 24  | 38 | 50  | 50 | 50 |
| DM(dB)     | 18  | 28 | 36  | 55 | 55 |

| 10 Amp     |     |    |     |    |    |
|------------|-----|----|-----|----|----|
| FREQ (MHz) | .15 | .5 | 1.0 | 10 | 30 |
| CM(dB)     | 10  | 22 | 30  | 55 | 45 |
| DM(dB)     | 18  | 28 | 36  | 50 | 50 |



TYPICAL TOLERANCE: +/-0.02 (0.50)

Reference purposes only.  
 Specifications are subject to change.  
 Consult factory to verify specifications.