

RP115 Series

Compact Single Stage Power Line Filters



3 A to 20 A Chassis Mount Filter

Specifications

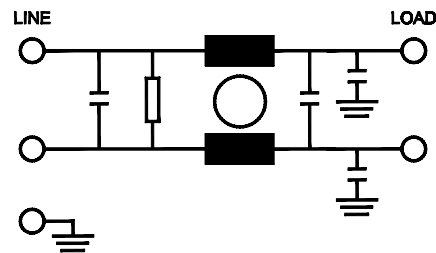
| | |
|-------------------------|------------------|
| Operating Frequency | 50/60 Hz |
| Usable Frequency | DC - 400 Hz |
| Max. Operating Voltage* | 250 V +10% |
| Ambient Temperature | -25 to 40°C |
| Climatic Category | 25/100/21 |
| Hipot Rating (L-G) | 2700 VDC |
| Terminals (-T) | QD: 0.25 Tabs |
| Safety Approvals | CSA, UR, EN60939 |
| Typ. Weight, lbs (kg) | 0.5 (0.2) |

*Available up to 300 VAC. Please contact us to verify specifications.

Part Number/Ordering

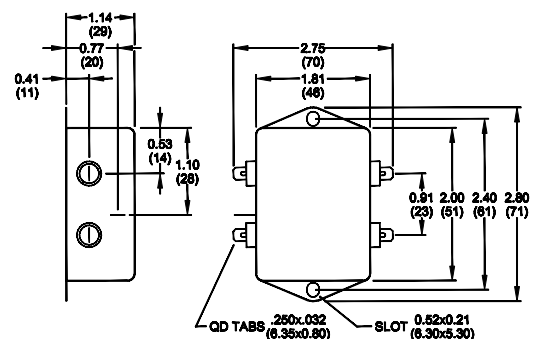
| RP115 | -X (Amps) | -Y (Ycap, nF) | -T |
|-------|--------------|------------------|----|
| | 3 | 0 | QD |
| | 6 | 0.47 | |
| | 10 | 1 | |
| | 16 | 2.2 | |
| | 20 | 4.7 | |
| | | 10 | |

Note: Use any combination of -Y with any -X (Amps) rating
e.g. RP115-16-2.2-QD (16 Amps with 2.2nF Ycap)

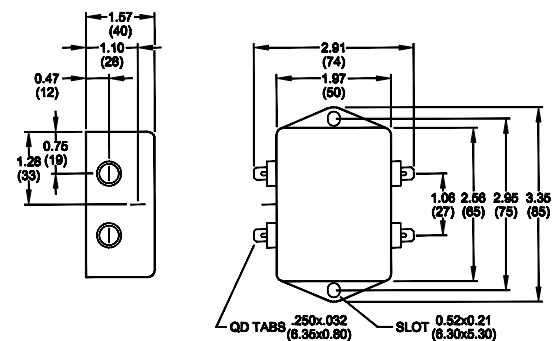


Mechanical Dimensions

3/6 Amp



10/16/20 Amp



Specifications are subject to change. Consult factory to verify specifications.

For more information on our filter products call us at: (800) 527-4362 or (714) 289-0055
LCR, Radius Power, and Filter Concepts are now part of Astrodyne TDI

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Typical Insertion Loss, dB (50/50 Ohm)

| Freq (MHz) | 0.15 | 0.5 | 1.0 | 10 | 30 |
|---------------|------|-----|-----|----|----|
| 3 Amp | | | | | |
| CM(dB) | 28 | 36 | 44 | 58 | 64 |
| DM(dB) | 30 | 48 | 60 | 55 | 55 |
| 6 Amp | | | | | |
| CM(dB) | 20 | 32 | 28 | 55 | 55 |
| DM(dB) | 20 | 32 | 40 | 58 | 70 |
| 10 Amp | | | | | |
| CM(dB) | 34 | 44 | 54 | 50 | 44 |
| DM(dB) | 30 | 42 | 55 | 70 | 70 |
| 16 Amp | | | | | |
| CM(dB) | 16 | 36 | 44 | 58 | 64 |
| DM(dB) | 28 | 40 | 55 | 70 | 70 |
| 20 Amp | | | | | |
| CM(dB) | 20 | 28 | 34 | 55 | 60 |
| DM(dB) | 26 | 38 | 52 | 65 | 65 |

Leakage Current

| Y-cap, nF | mA, 120 V/60 Hz | mA, 250 V/60 Hz |
|-----------|--------------------|--------------------|
| 0 | 0.0 | 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 |
| 10 | 0.9 | 1.8 |

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