

RMS Communications

Ultimate Series Splitters 5-1002 MHz



Features

- Bandwidth 5 to 1002MHz
- RFI Shielding >-120dB
- Zinc housing that is nickel plated for maximum corrosion resistance meets ANSI/SCTE 143-07
- Waterproof test 15psi
- Operating Temperature -40F to +140F
- Sealed "F" ports
- Mounting screws included
- Dimensions conform to ANSI/SCTE 153
- Plated 360 degree F61 contacts
- Precision machined "F" ports
- Laminated label (UV stabilized)
- CE, ROHS & SCTE Compliant

| RMS Ultimate | | 2-Way Splitter | 3-Way Split (Unbal) | 3-Way Split (bal) | 4-Way Splitter | 8-Way Splitter |
|------------------------------|------------------|-------------------------------------------------------------------------|-------------------------------------------------------|-------------------|----------------|----------------|
| Splitters | | Part # 40-121 | Part # 40-133 | Part # 40-131 | Part # 40-141 | Part # 40V181 |
| Parameter | Frequency | Typical | Typical | Typical | Typical | Typical |
| Flatness | 5 - 1002MHz | +/- 0.5dB | +/- 0.5dB | +/- 0.5dB | +/- 0.5dB | +/- 0.5dB |
| Insertion Loss | 5 - 42 MHz | 3.3 | 3.4/7.0 | 5.5 | 6.9 | 10.5 |
| (dB) | 54 - 1002 Hz | 3.5 | 3.5/7.2 | 5.9 | 7.2 | 11.0 |
| Return Loss | 5 - 42 MHz | 25 | 25 | 25 | 25 | 25 |
| (Input dB) | 54-1002MHz | 23 | 23 | 23 | 23 | 23 |
| Return Loss | 5-42 MHz | 25 | 25 | 25 | 25 | 25 |
| (Output dB) | 54-1002 MHz | 25 | 25 | 25 | 25 | 25 |
| Isolation (dB) | 5 - 42 MHz | 40 | 40 | 40 | 40 | 40 |
| (Out to Out) | 54-1002 MHz | 30 | 30 | 30 | 30 | 30 |
| Spurious Signal 2nd Harmonic | | Typical -55dBmV measured with a 55dBmV return input carrier after surge | | | | |
| Surge Withstand Capability | | IEEE C62.41 - 1991 100kHz Ring Wave, Category A3 (6kV/200A), ALL PORTS | | | | |
| Operating Temperature Range | | < ----- | ----- | -40F to +140F | ----- | ----- |
| F Connectors | | < ----- | SCTE Compliant IPS-SP-400, Waterproofed Sealed | | | ----- |
| Housing | | < ----- | Corrosive protected, zinc alloy die-cast & tin plated | | | |
| Waterproof | | < ----- | All ports withstand 15lbs for 1 minute | | | ----- |
| RFI Shielding | | < ----- | ----- | -120dB | ----- | ----- |

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