



1004DCWSB Splitter/Combiner

High Isolation Headend Passives



The RMS 1004DCWSB splitters are ideal for headend applications. They have a very high port/port isolation. and also make excellent combiners, and are design to be integrated into a rack mount CATV system.

Features:

- Bandwidth 5MHz to 1GHz
- RFI Shielding >-120dB
- Micro-strip designed PCB for consistency of specifications and superior total bandwidth characteristics
- Premium ferrites, resistors and capacitors
- Capacitors on ALL ports
- Zinc housing that is chromated and plated for maximum corrosion resistance
- Precision machined "F" ports that are SCTE compliant
- Each unit is individually packaged with mounting screws
- 100% quality control at our factory
- Dual flush mounting tabs for easy installation
- Integrated heavy duty grounding screw
- Modified 360 degree contacts that offer excellent contact between coax and F61 also has an excellent wiping action
- T & G backplate design assures 100% sealing of back plate to the housing
- Excellent insertion loss, isolation (port/port) & return loss (input/output)
- IM Spec of >-115dBc
- CE approved

RMS Communications Inc

11516 Downs Road, Pineville, North Carolina. 28134 USA
Email: sales@rmscommunications.net - Phone (704) 588-4008



1004DCWSB Splitter/Combiner

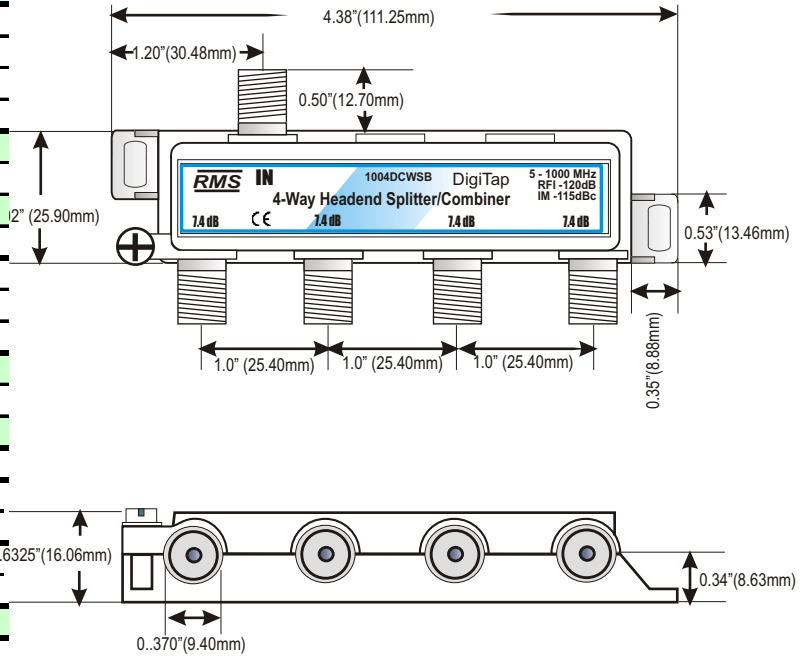
High Isolation Headend Passives

Specifications

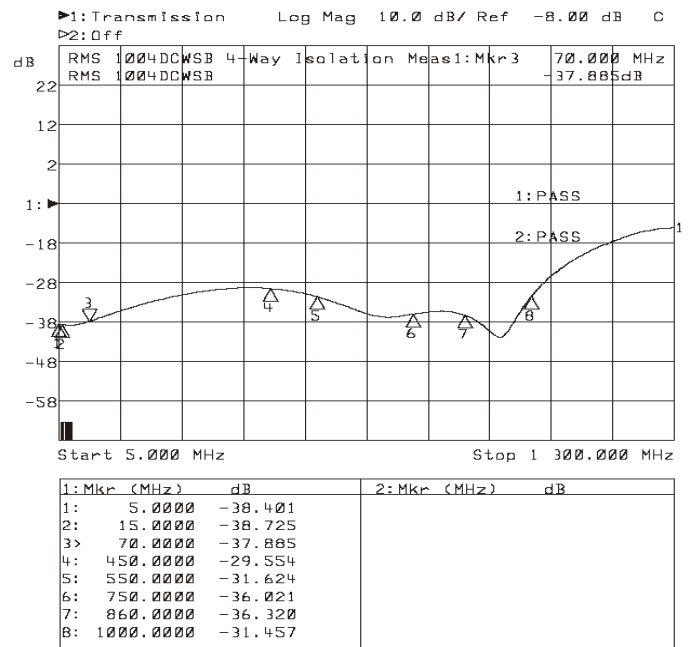
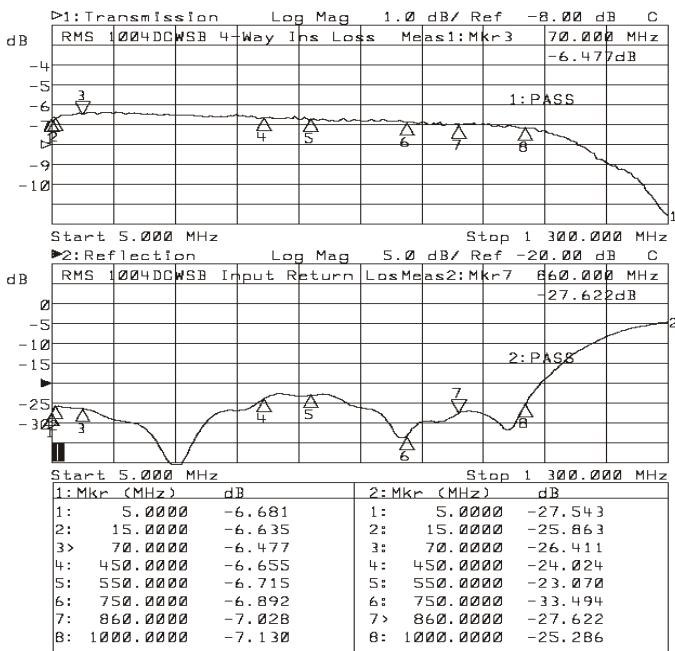
Dimensions

Specifications RMS 1004DCWSB

| Parameter | Freq (MHz) | QA | Typical |
|----------------------------------|-------------------------------------|---------|---------|
| Insertion Loss (Max dB) | 5-15 | 6.9 | 6.7 |
| | 16-500 | 7.2 | 6.9 |
| | 500-750 | 7.4 | 7.1 |
| | 750-1000 | 7.8 | 7.4 |
| Isolation (Min dB) | 5-10 | 30 | 36 |
| | 11-15 | 32 | 38 |
| | 15-70 | 34 | 39 |
| Return Loss (Min dB) | 5-10 | 20 | 24 |
| | 10-500 | 22 | 26 |
| | 500-1000 | 20 | 24 |
| Return Loss (Min dB) | 5-10 | 20 | 24 |
| | 10-500 | 22 | 26 |
| | 500-1000 | 20 | 24 |
| RFI (Min dB) | 5-1000MHz | >120 | -----> |
| Harmonics (dBc) Min 40 - 1000MHz | | >120dBc | |
| One 60dBmV Signal in Return Path | | | |
| 2nd & Higher Order Beats | | >105dBc | |
| Two 60dBmV Signal in Return Path | | | |
| Surge Protection | 6KV ring wave surge - C62.41 Cat A3 | | |
| Water Proof Test | >10psi | | |
| Impedance | 75 Ohm | | |



Typical Plots



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