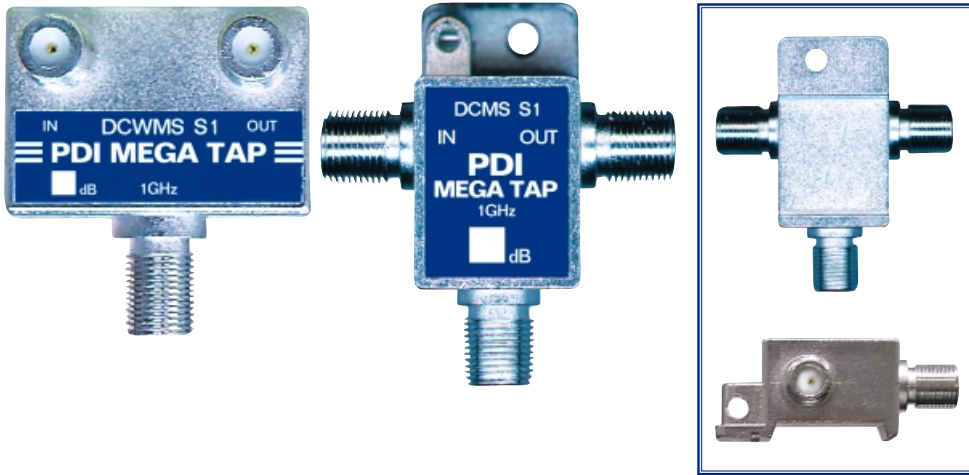


Series S-1 1GHz Directional Mega Coupler For Cable and Modem Use



DCMS DETAIL

KEY FEATURES:

- 6 KV rated
- Specially designed 360° gold plated siezure inserts for the highest reliability

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| 1GHz DIRECTIONAL COUPLER TAPS 6 KV RATED | | | | | | | | | |
|--|-----------------|--------|-----|------|------|------|------|------|------|
| Parameters | Frequency (MHz) | 6dB | 9dB | 12dB | 16dB | 20dB | 24dB | 27dB | 30dB |
| Tap Loss (dB) Tolerance ±1.2dB | 5-50 | 6.1 | 9.0 | 12.0 | 16.0 | 19.9 | 23.9 | 26.9 | 30.0 |
| | 50-750 | 6.3 | 9.1 | 12.1 | 16.1 | 20.1 | 24.1 | 27.2 | 30.2 |
| | 750-1000 | 6.5 | 9.1 | 12.3 | 16.2 | 20.2 | 24.2 | 27.3 | 30.5 |
| Insertion Loss (dB Max.) | 5-50 | 2.4 | 1.5 | 1.2 | 0.8 | 0.8 | 0.8 | 0.8 | 0.6 |
| | 50-750 | 2.6 | 1.7 | 1.4 | 1.2 | 1.1 | 1.1 | 1.1 | 0.8 |
| | 750-1000 | 3.0 | 2.2 | 1.5 | 1.4 | 1.4 | 1.3 | 1.2 | 1.0 |
| Isolation (Tap -Out) (dB Min.) | 5-50 | 26 | 30 | 35 | 32 | 36 | 38 | 40 | 42 |
| | 50-750 | 28 | 30 | 30 | 29 | 28 | 35 | 38 | 38 |
| | 750-1000 | 27 | 28 | 26 | 32 | 27 | 33 | 35 | 36 |
| 750-1000 | 5-1000 | 75 Ohm | | | | | | | |
| RFI (dB) | 5-1000 | 130 dB | | | | | | | |
| Return Loss All Ports | 5-1000 | >18dB | | | | | | | |

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