

Directional Coupler

ADC-ED12259/4

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability.
At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



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CASE STYLE : CD636

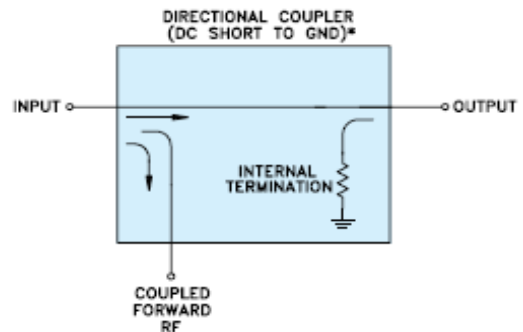
| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C | | | | |
|---------------------------------------|--------------|------|---------|------------|
| Parameter | | Min. | Typ. | Max. Units |
| Frequency | | .5 | | 1600 MHz |
| Coupling | Nominal | | 9.8±0.6 | dB |
| | Flatness | | ±0.34 | dB |
| Mainline Loss ** | .5-5 MHz | | 1.48 | dB |
| | 5-800 MHz | | 1.10 | dB |
| | 800-1600 MHz | | 1.47 | dB |
| Directivity | .5-5 MHz | | 19 | dB |
| | 5-800 MHz | | 21 | dB |
| | 800-1600 MHz | | 18 | dB |
| VSWR | .5-1600 MHz | | 1.18 | (:1) |
| RF Power Input | .5-1600 MHz | | | 1.0 W |

Note: ** Mainline loss includes theoretical coupled power loss of 0.4804 dB at 9.8 dB coupling.

| MAXIMUM RATINGS | |
|-----------------------|----------------|
| Operating Temperature | -40°C to 85°C |
| Storage Temperature | -55°C to 100°C |

| PIN CONNECTIONS | |
|-----------------|-----|
| INPUT | 1 |
| OUTPUT | 6 |
| COUPLED | 3 |
| GROUND | 2,5 |
| NOT USED | 4 |

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) THAT ROUTES DC FROM RF PORTS TO GROUND.