

Directional Coupler

ADC-ED12356/2

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

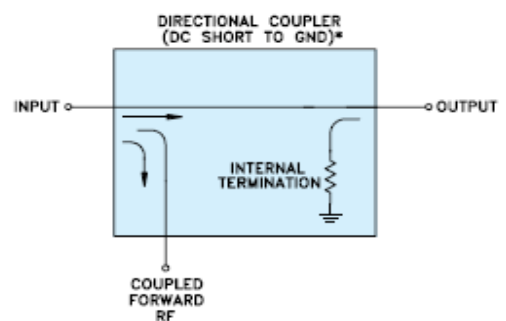
| ELECTRICAL SPECIFICATIONS 75Ω @ +25°C | | | | | |
|---------------------------------------|--------------|------|---------|------|-------|
| Parameter | | Min. | Typ. | Max. | Units |
| Frequency | | 10 | | 1300 | MHz |
| Coupling | Nominal | | 20 | | dB |
| | Flatness | | ± 0.835 | | dB |
| Mainline Loss ** | 10-100 MHz | | 0.60 | | dB |
| | 100-650 MHz | | 0.70 | | dB |
| | 650-1300 MHz | | 0.90 | | dB |
| Directivity | 10-100 MHz | | 20 | | dB |
| | 100-650 MHz | | 20 | | dB |
| | 650-1300 MHz | | 19 | | dB |
| VSWR | 10-1300 MHz | | 1.18 | | (:1) |
| RF Power Input | 10-1300 MHz | | | 1.0 | W |

Note: * **Mainline loss includes theoretical coupled power loss of 0.044dB at 20dB coupling.

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

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

Electrical Schematic



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