**Technical Data Sheet** 



50W 12.4-18GHZ 20DB DIRECTIONAL COUPLER



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SERIES COUPLER

PART NUMBER R433834700

## **ELECTRICAL CHARACTERISTICS**

Frequency operating range :	12.4 – 18 GHz
Impedance :	50 Ω
VSWR : - Main Line	1.35 max.
- Coupled Line	1.35 max.
Nominal Coupling :	20 dB
Coupling Precision :	± 1 dB
Directivity :	15 dB mini
Insertion loss :	0.55 dB max.
Frequency Sensitivity :	± 0.5 dB
Average Power at 25°C	50W
Peak Power at 25°C	3000W

## **MECHANICAL CHARACTERISTICS**

Connector type :	SMA female per MIL-C 39012
Coaxial Termination :	SMA, 50 Ω, 1W

## **ENVIRONMENTAL CHARACTERISTICS**

Operating temperature :	-40°C / +100°C
Storage temperature :	-40°C / +100°C