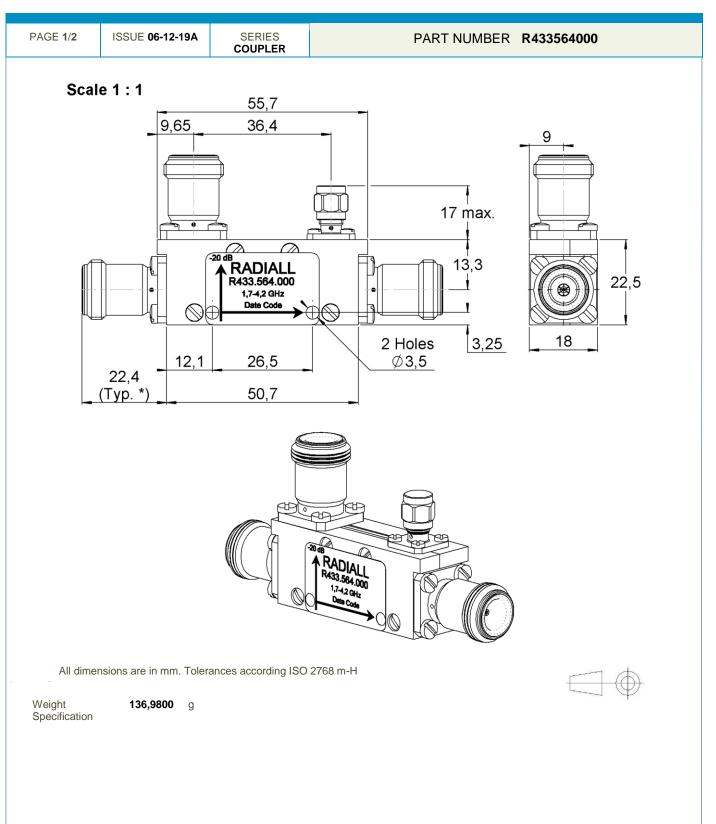
Technical Data Sheet



50W 1.7-4.2GHZ 20DB DIRECTIONAL COUPLER



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SERIES COUPLER

PART NUMBER R433564000

ELECTRICAL CHARACTERISTICS

Frequency operating range :	1.7 – 4.2 GHz
Impedance :	50 Ω
VSWR : - Main Line	1.25 max.
- Coupled Line	1.25 max.
Nominal Coupling :	20 dB
Coupling Precision :	$\pm 0.8 \text{ dB}$
Insertion Loss :	0.4 dB max.
Directivity :	20 dB mini
Frequency Sensitivity :	$\pm 0.4 \text{ dB}$
Average Power at 25°C	50W
Peak Power at 25°C	3000W

MECHANICAL CHARACTERISTICS

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

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	-25°C / +85°C
Storage temperature :	-40°C / +100°C

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