



50W 10-15GHZ 20DB DIRECTIONAL COUPLER

PAGE 1/2 SERIES COUPLER ISSUE **09-12-19A** PART NUMBER R433824000 48 max. Scale 2:1 6,45 12,7 32 max. **RADIALL** -20dB R433.824.000 10-15 GHz 15 **Date Code** 6,6 1 Hole 2,2 9,5  $\emptyset$ 2,6 13 (Typ. \*) 25,6 RADIALL R433.824.000 -20dB 10-15 GHZ Date Code

All dimensions are in mm. Tolerances according ISO 2768 m-H

Weight Specification **26,9800** g







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## **ELECTRICAL CHARACTERISTICS**

Frequency operating range:	10 – 15 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:	0.4 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 :	-25°C / +85°C
Storage temperature :	-25°C/+85°C