



50W 7-12.4GHZ 20DB DIRECTIONAL COUPLER

SERIES COUPLER PAGE 1/2 ISSUE **09-12-19C** PART NUMBER R433724000 **Scale 2:1** 48 max. 6,45 12,7 32 max. **RADIALL** -20dB R433.724.000 7-12,4 GHz 15 **Date Code** 6,6 1 Hole 2,2 9,5  $\emptyset$ 2,6 13 (Typ. \*) 25,6 RADIALL R433.724.000 -20dB 7-12,4 GHZ Date Code

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

Weight Specification **27,0800** g







50W 7-12.4GHZ 20DB DIRECTIONAL COUPLER

PAGE <b>2/2</b>	ISSUE <b>09-12-19C</b>	SERIES COUPLER	PART NUMBER <b>R433724000</b>
-----------------	------------------------	-------------------	-------------------------------

## **ELECTRICAL CHARACTERISTICS**

Frequency operating range:	7 – 12.4 GHz
Impedance:	50 Ω
VSWR: - Main Line	1.30 max.
- Coupled Line	1.30 max.
Nominal Coupling :	20 dB
Coupling Precision:	± 0.8 dB
Directivity:	16 dB mini
Insertion loss:	0.4 dB max.
Frequency Sensitivity:	± 0.3 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**

Ope	erating temperature :	-25°C / +85°C
S	Storage temperature :	-40°C / +100°C