



50W 6-18GHZ 20DB DIRECTIONAL COUPLER

SERIES COUPLER PAGE 1/2 ISSUE **09-12-19A** PART NUMBER **R433614700** 44,6 **Scale 2:1** 6,45 12,7 32 max. **RADIALL** -20dB R433.614.700 6-18 GHz 15 **Date Code** 6,8 1 Hole 9,5 2,3 9,5 Ø2,6 25,6 (Typ. *) RADIALL R433.614.700 -20dB 6-18 GHZ Date Code

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

Weight Specification **15,4100** g







50W 6-18GHZ 20DB DIRECTIONAL COUPLER

PAGE 2/2	ISSUE 09-12-19A	SERIES COUPLER	PART NUMBER R433614700
-----------------	------------------------	-------------------	-------------------------------

ELECTRICAL CHARACTERISTICS

Frequency operating range:	6 – 18 GHz
Impedance:	50 Ω
VSWR: - Main Line	1.40 max.
- Coupled Line	1.40 max.
Nominal Coupling :	20 dB
Coupling Precision:	± 1 dB
Directivity:	15 dB mini
Insertion loss:	0.6 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