



50W 12.4-18GHZ 6DB DIRECTIONAL COUPLER

SERIES COUPLER PAGE 1/2 ISSUE **09-09-20A** PART NUMBER R433832000 **Scale 2:1** 48 max. 6.45 12.7 32 max. **RADIALL** -6dB R433.832.000 12,4-18 GHz 15 **Date Code** 6.6 1 Hole 2.2 9.5 Ø2.6 13 25.6 RADIALL R433.832.000 -6dB 12,4-18 GHZ Date Code

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





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| PAGE <b>2/2</b> | ISSUE <b>09-09-20A</b> | SERIES<br>COUPLER | PART NUMBER <b>R433832000</b> |
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## **ELECTRICAL CHARACTERISTICS**

| Frequency operating range: | 12.4 – 18 GHz |
|----------------------------|---------------|
| Impedance:                 | 50 Ω          |
| VSWR: - Main Line          | 1.40 max.     |
| - Coupled Line             | 1.40 max.     |
| Nominal Coupling:          | 6 dB          |
| Coupling Precision:        | ± 1 dB        |
| Directivity:               | 15 dB mini    |
| Insertion loss:            | 2.2 dB max.   |
| Frequency Sensitivity:     | ± 0.5 dB max. |
| 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 |