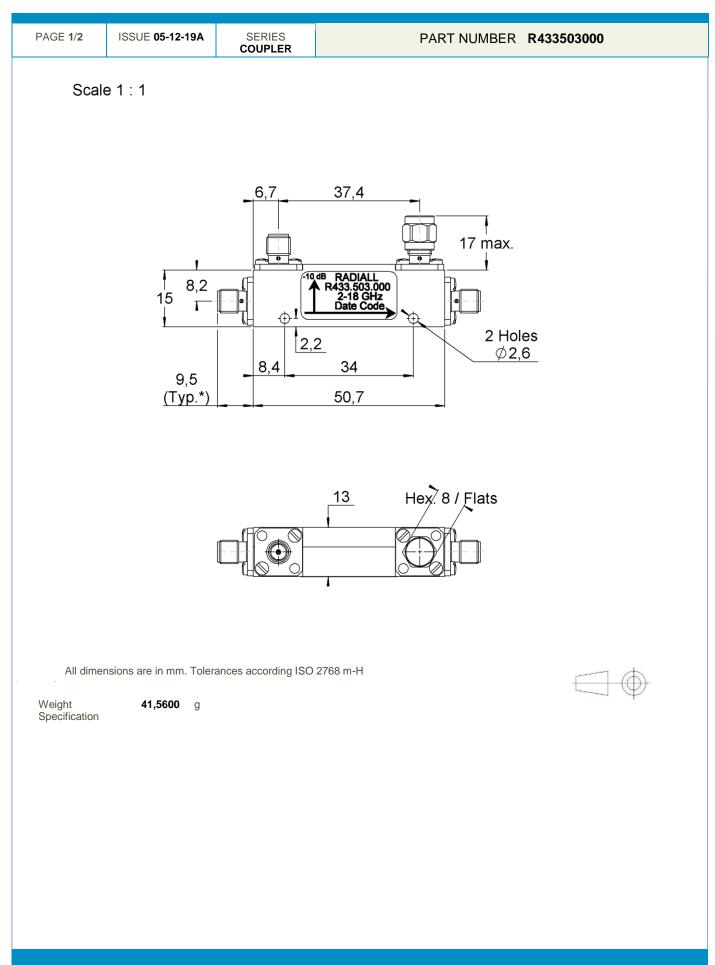
**Technical Data Sheet** 

20W 2 - 18 GHZ 10DB DIRECTIONAL COUPLER



Radiall 💓

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

**Technical Data Sheet** 





PAGE 2/2

ISSUE 05-12-19A

SERIES COUPLER

PART NUMBER R433503000

## **ELECTRICAL CHARACTERISTICS**

Frequency operating range :	2 – 18 GHz
Impedance :	50 Ω
VSWR : - Main Line	1.35 max.
- Coupled Line	1.50 max.
Nominal Coupling :	10 dB
Coupling Precision :	$\pm 1 \text{ dB}$
Insertion Loss :	1.4 dB max.
Directivity : 2 – 12.4 GHz	15 dB mini
12.4 – 18 GHz	12 dB mini
Frequency Sensitivity :	± 0.6 dB
Average Power at 25°C	20W
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 :	-40°C / +100°C