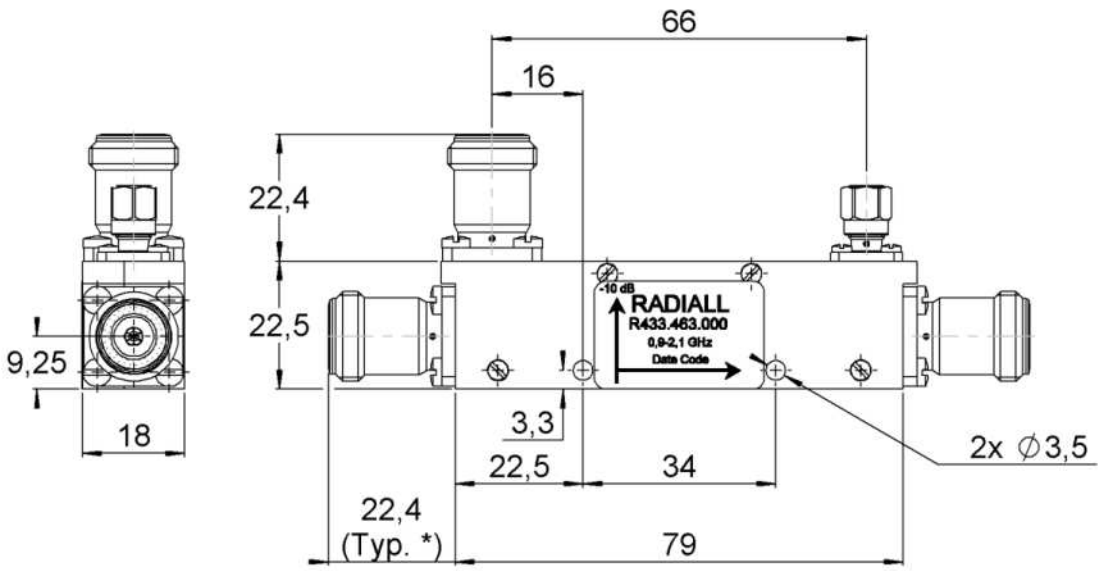
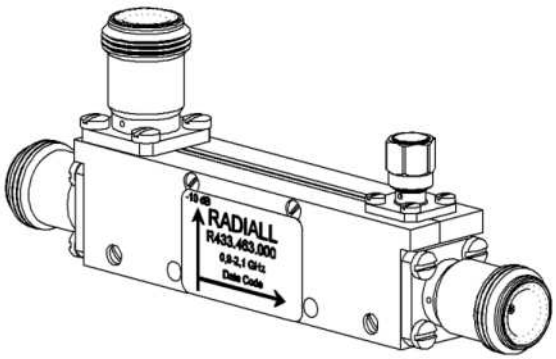
Technical Data Sheet

50W 0.9-2.1GHZ 10DB DIRECTIONAL COUPLER

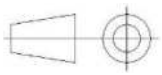
PAGE 1/2	ISSUE **05-12-19A**	SERIES **COUPLER**	PART NUMBER **R433463000**

Scale 3 : 4





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



Weight **166,5200** g
Specification

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.

ELECTRICAL CHARACTERISTICS

Frequency operating range :	0.9 – 2.1 GHz
Impedance :	50 Ω
VSWR : - Main Line - Coupled Line	1.20 max. 1.20 max.
Nominal Coupling :	10 dB
Coupling Precision :	± 0.5 dB
Insertion Loss :	1 dB max.
Directivity :	22 dB mini
Frequency Sensitivity :	± 0.3 dB
Average Power at 25°C	50W
Peak Power at 25°C	3000W

MECHANICAL CHARACTERISTICS

Connector type :	N 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

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.