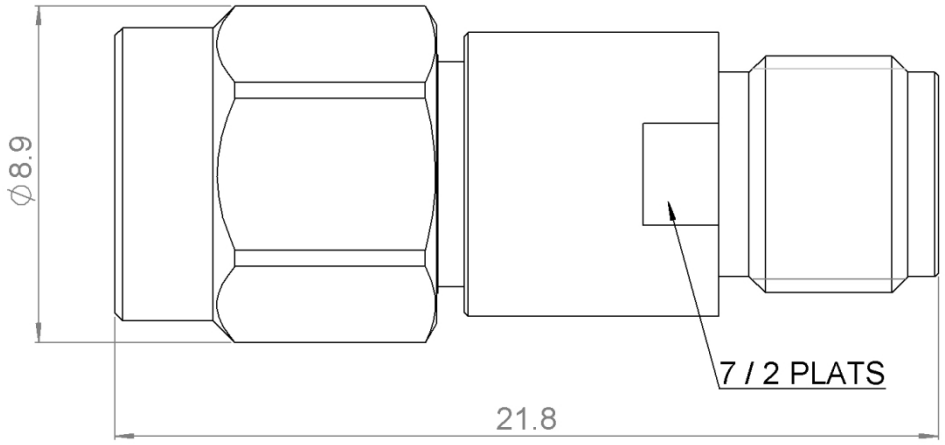
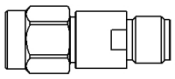
Technical Data Sheet

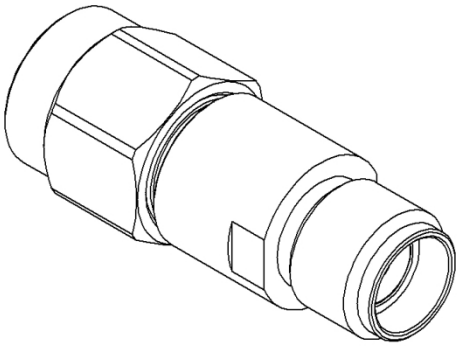
SMA ATTENUATOR 0 DB 18 GHZ 2W Cryo

PAGE **1/2**	ISSUE **19-12-24A**	SERIES **ATTENUATOR**	PART NUMBER **R429800101**

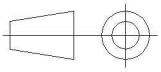




Scale 1:1



All dimensions are in mm. Tolerances according ISO 2768 c-K



COMPONENTS	MATERIALS	PLATING (µm)
Body	**STAINLESS STEEL**	
Male center contact	**BERYLLIUM COPPER**	**GOLD 2.5 OVER NICKEL 1**
Female center contact	**BERYLLIUM COPPER**	**GOLD 2.5 OVER NICKEL 1**
Outer contact		
Insulator	**PTFE**	
Gasket	**SILICONE RUBBER**	
Substrate	**ALUMINA**	
Resistor	**THIN FILM**	
Others parts		

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ELECTRICAL CHARACTERISTICS

Frequency (GHz)	**DC - 2**	**2 - 4**	**4 - 8**	**8 - 12.4**	**12.4 - 18**
V.S.W.R (≤)	**1.1**	**1.15**	**1.2**	**1.25**	**1.35**
Deviation(±dB)	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**

Operating Frequency Range	**DC - 18**	GHz
Impedance	**50**	Ω
Nominal Attenuation	**0**	dB
Peak power at 25°C (1µs, 1‰)	**100**	W
Average power at 25°C	**2**	W (Free Air Cooled)
		W (Conduction Cooled)

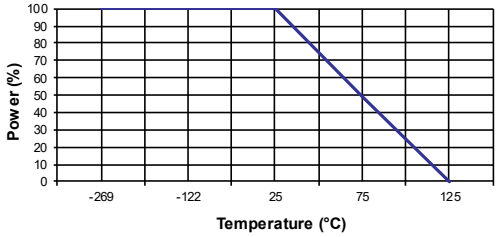
MECHANICAL CHARACTERISTICS

Connectors	**SMA**	**Male Female**	**MIL C39012**
Weight (±15%)	**5.1030** g		

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range	**4/400 K**
Storage temperature range	**-55/125** °C

Power derating Versus temperature



SPECIFICATION

OTHER CHARACTERISTICS

For Cryogenic applications