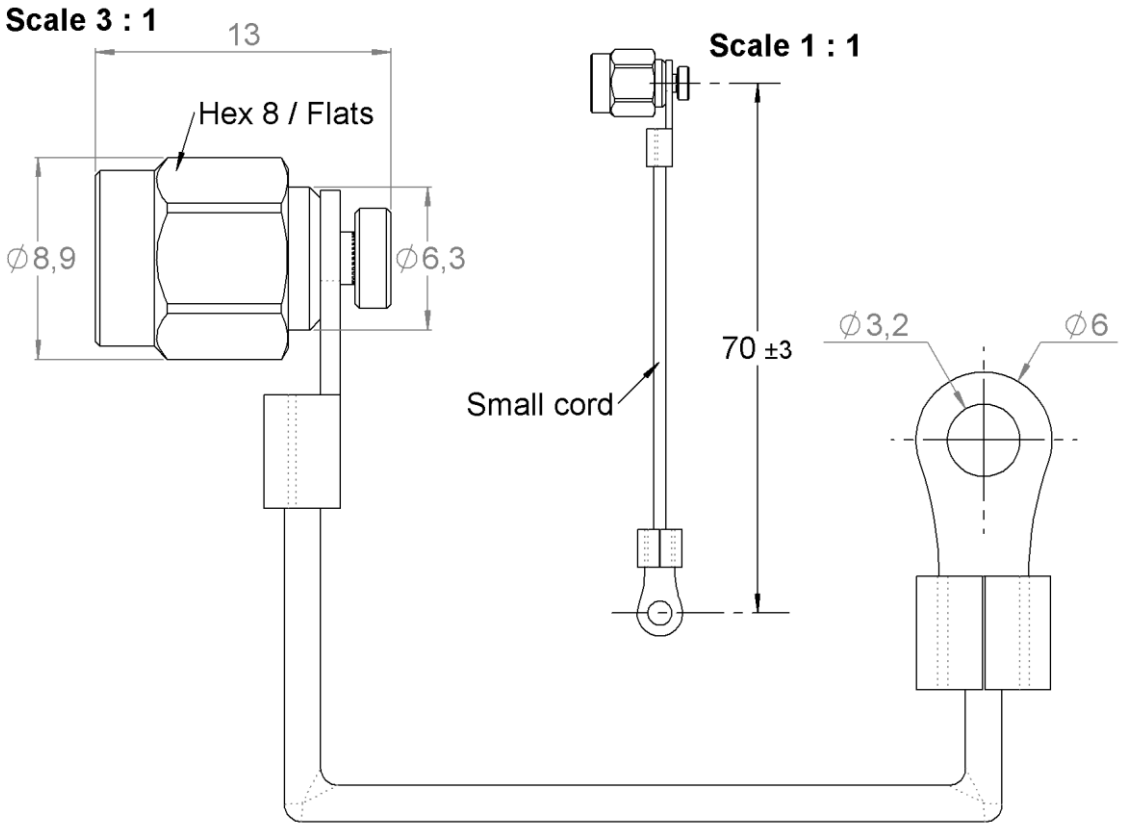
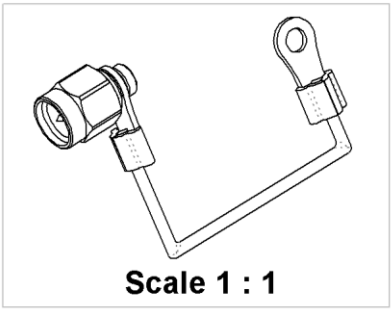
Technical Data Sheet

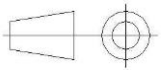
SMA MALE COAXIAL TERMINATION 18 GHZ 2W CORD

PAGE 1/2	ISSUE 16-11-18B	SERIES TERMINATION	PART NUMBER **R404N01121**





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



COMPONENTS	MATERIALS	PLATING (µm)
Body	**STAINLESS STEEL**	**PASSIVATED**
Center contact	**BRASS**	**GOLD 0.2 OVER NICKEL PHOSPHORUS 2**
Outer contact	**STAINLESS STEEL**	**GOLD 0.2 OVER NICKEL 2**
Insulator	**PTFE**	
Gasket	**SILICONE RUBBER**	
Substrate	**ALUMINA CERAMIC**	
Resistor	**THICK FILM**	
Others parts		

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ELECTRICAL CHARACTERISTICS

Frequency (GHz)	**DC - 8**	**8 - 12.4**	**12.4 - 18**
V.S.W.R (≤)	**1.10**	**1.15**	**1.20**

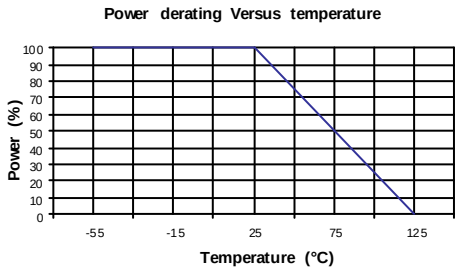
Operating Frequency Range	**DC - 18**	GHz
Impedance	**50**	Ω
DC Resistance	**50**	Ω ± 5%
Peak power at 25°C (1µs, 1‰)	**100**	W
Average power at 25°C	**2** (1)	W (Free Air Cooled)
		W (Conduction Cooled)

MECHANICAL CHARACTERISTICS

Connectors	**SMA**	**Male**	**MIL C 39012** (2)
Weight	**4,3400** g		

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range	**-55/+125**	°C
Storage temperature range	**-55/+125**	°C



SPECIFICATION

OTHER CHARACTERISTICS

IP67 in mated conditions

Notes:

(1) Compliant with endurance requirement per MIL DTL 39030

(2) Insertion force of the female contact on the mating connector significantly exceeding the specifications of MIL C 39012 (13.2 N max with specified test gauge) could result in the permanent deterioration of the ceramic element of the termination and affect the center pin retention.