Fixed Attenuators - 2W power (SMA type)

AT-1900 Series



■Features

1.Small Size

Use of alumina for the attenuation element assures light weight and is cost effective.

2.SMA coupling

Several configurations of SMA plug/jack couplings are available in stainless steel, assuring durability.

3. High Reliability

Proven and stable performance characteristic under varying temperature, humidity and adverse environmental conditions.

■Product Specifications

Ratings	Frequency range Characteristic impedance Maximum Input Power	DC to 8.0GHz 50 ohms 2W	Operating temperature Operating Humidity	−30°C ~ +65°C 95% max.
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Item	Characteristic Requirement	Conditions		
1.Vibration	No electrical discontinuity of 1 μ s or more.	Frequency of 10 to 2000 Hz, overall amplitude of 1.52 mr acceleration of 98 m/s² for 4 hours in each of 3 directions		
2.Shock	No damage, cracks, or parts dislocation.	Acceleration of 490 m/s², sine half-wave waveform, 3 cycles in each of the 3 axis		
3.Temperature cycle	No damage, cracks, or parts dislocation.	Temperature : -35°C \rightarrow +15°C to +35°C \rightarrow +85°C \rightarrow +15°C to +35°C Time : 30 \rightarrow 15 max. \rightarrow 30 \rightarrow 15 max. (Minutes) 5 cycles		

[●]The test method conforms to MIL-STD-202.

■Material

Component	Material	Finish		
Body	Stainless steel	Passivated		
Insulator	PTFE	_		
Male contact	Brass	Gold plated		
Female contact	Beryllium copper	Gold plated		
Outer conductor (interior)	Aluminum	Nickel plated		
Couplings	Stainless steel	Passivated		
Radiator	Aluminum	Black alumite		
Attenuation element	Alumina	_		

■Ordering Information

AT - 19 03 (40)

Fixed attenuator	3 Attenuation			
	03: 3dB			
	06: 6dB			
2 Series Name and coupling type:	10 : 10dB			
SMA plug / jack	4 (40): RoHS Compliant			



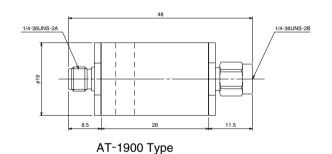
The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information.

All non-Rohard are the status on the Hirose website RohS search at www.hirose-connectors.com, or contact your Hirose sales representative.

■Specifications

Part Number	Frequency Range (GHz)	Attenuation (dB)	V.S.W.R. (Max)	Impedance (ohms)	Power (W)	Connectors	Weight (g)	RoHS
AT-1903(40)	DC~4	3±0.3	1.25	50	2	SMA type	40	YES
	4~8	3±0.5				plug / jack		
AT-1906(40)	DC~4	6±0.3	1.25	50	2	SMA type	40	
	4~8	6±0.5				plug / jack		
AT-1910(40)	DC~4	10±0.5	1.3	50	2	SMA type	40	
	4~8	10±1				plug / jack		

■External Dimensions





■Typical Data

