



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 μs or more. No damage, cracks, or parts dislocation.	Frequency of 10 to 2000 Hz, overall amplitude of 1.52 mm, acceleration of 98 m/s ² for 4 hours in each of 3 directions
2.Shock		Acceleration of 490 m/s ² , sine half-wave waveform, 3 cycles in each of the 3 axis
3.Temperature cycle	No damage, cracks, or parts dislocation.	Temperature : -35°C → +15°C to +35°C → +85°C → +15°C to +35°C Time : 30 → 15 max. → 30 → 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)
 ① ② ③ ④

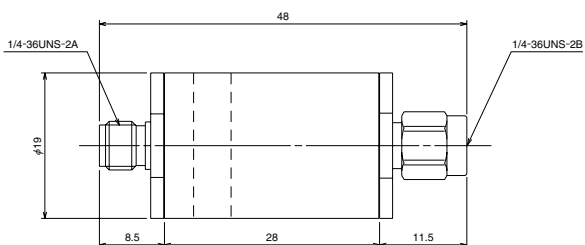
① Fixed attenuator	③ Attenuation 03 : 3dB 06 : 6dB 10 : 10dB
② Series Name and coupling type: SMA plug / jack	④ (40): RoHS Compliant

AT-1900 Series Fixed Attenuators - 2W power (SMA type)

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 plug / jack	40	YES
	4~8	3±0.5						
AT-1906(40)	DC~4	6±0.3	1.25	50	2	SMA type plug / jack	40	
	4~8	6±0.5						
AT-1910(40)	DC~4	10±0.5	1.3	50	2	SMA type plug / jack	40	
	4~8	10±1						

External Dimensions



AT-1900 Type

Typical Data

