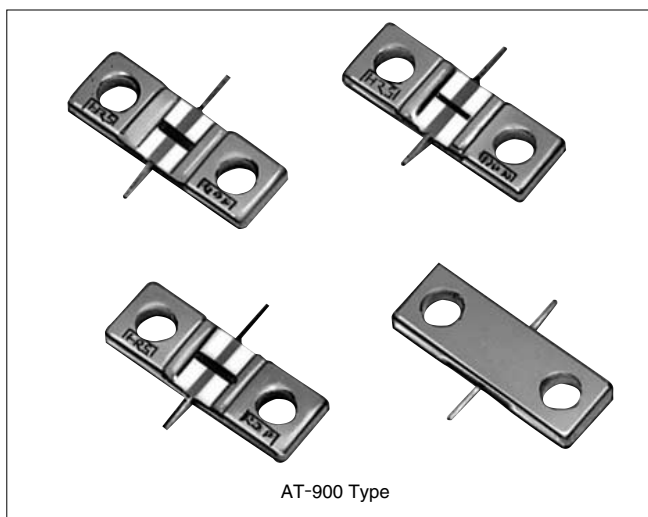


Stripline Mounting Fixed Attenuators (DC to 8 GHz)

AT-900 Series



■ Features

1. Frequency Range from DC to 8 GHz

Although these attenuators are of the surface mount type, they offer superior high frequency characteristics from DC to 8 GHz.

2. Abundant Variations of Attenuators

Attenuation amounts are available in 11 types from 0 to 10 dB in 1 dB steps.

■ Product Specifications

Ratings	Frequency Range (Note) Characteristic impedance Maximum Input Power (Note)	DC to 8.0 GHz 50 ohms 1 W	Operating temperature range Operating relative humidity	-10°C to +65°C 95% Max.
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Note: The frequency range and the maximum input power will differ depending on the products.

Item	Standard	Conditions
1. Vibration	No electrical discontinuity of 1 μ s 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 2 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: -55°C → +5°C to +35°C → +85°C → +5°C to +35°C Time: 30 → 15 max. → 30 → 15 max. (Minutes) 200 cycles

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

■ Materials

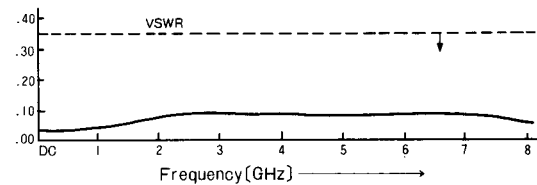
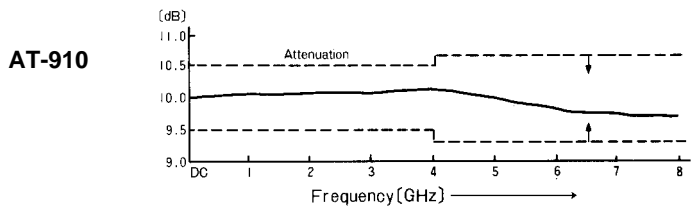
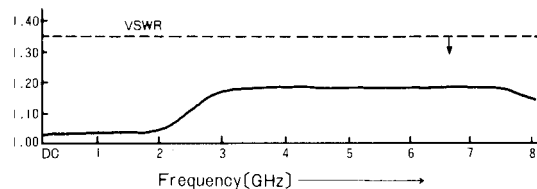
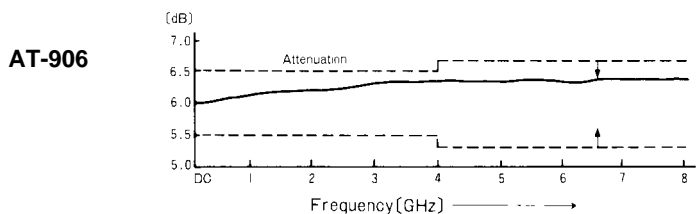
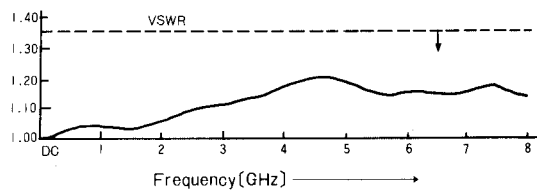
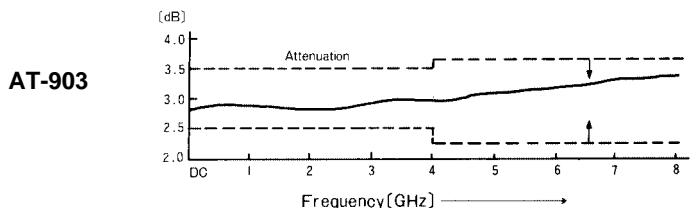
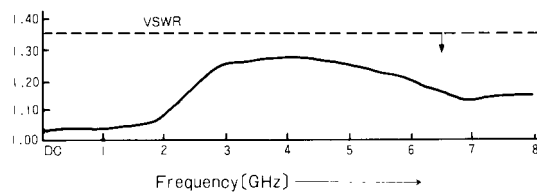
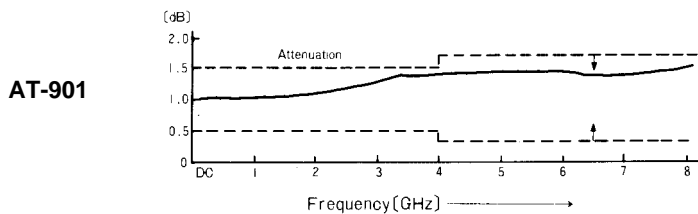
Part	Material	Finish
Connector Body	Brass	Nickel plating
Attenuation element	Metal film	-----
Tabs	Copper	Solder plating

■ Ordering Information

AT - 9 01
1 2 3

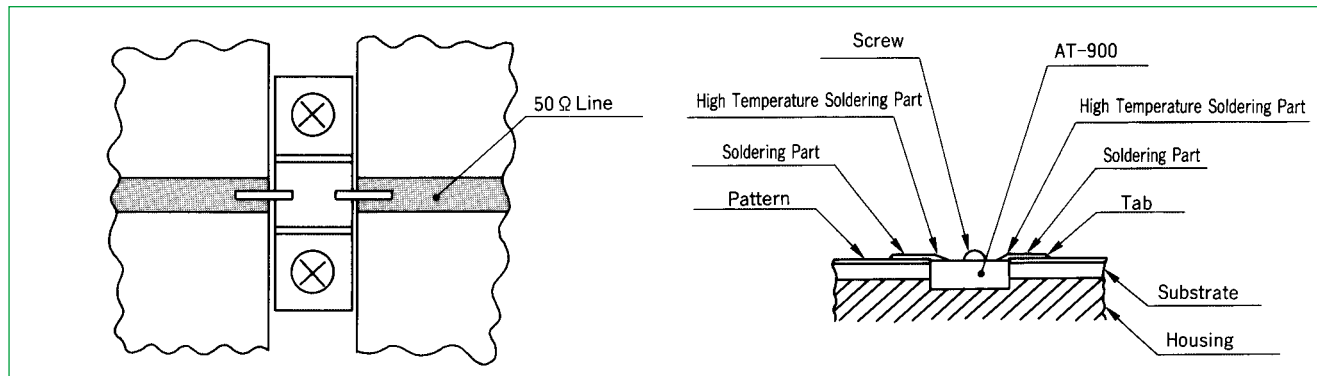
<p>① AT: Indicates a fixed attenuator</p>	<p>③ Attenuation</p> <p>01 : 1dB</p> <p>06 : 6dB</p> <p>00-(0) : 0dB (Through)</p> <p>00-(1.5) : 1.5dB</p>
<p>② Indicates the Series Name: AT-900 Series</p>	

Typical Data



Mounting Method

AT-900 Type



- Make the AT-900 tab height from the housing and the thickness of the microstrip board the same amount.
- The tabs are attached with high temperature solder (having a melting point of 280°C). The soldering temperature to the microstrip board must be less than this.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Hirose Electric:

[AT-900-\(0\)\(40\)](#) [AT-901\(40\)](#) [AT-902\(40\)](#) [AT-904\(40\)](#) [AT-906\(40\)](#) [AT-908\(40\)](#) [AT-909\(40\)](#) [AT-920\(40\)](#) [AT-913\(40\)](#)
[AT-910\(40\)](#) [AT-907\(40\)](#) [AT-905\(40\)](#) [AT-903\(40\)](#)