

2.92mm-AT Series

2.92mm Coaxial Connectors MIL Standard Compliant/Attenuators



Millimeter Wave



COAX 2.92mm



Attenuator



Features

1. Fixed Attenuators
Supporting 0 to 40GHz
(0, 1, 2, 3, 4, 5, 6,
7, 8, 9, 10, 20dB)
2. Small Size,
Light Weight
3. Unique internal spring
connection for robustness
and excellence impedance
matching even with
temperature change.
4. Low V.S.W.R.&
High Reliability
5. MIL Compliant
(MIL-STD-348B)
2.92mm Coaxial Attenuator

Applications

Optical transmission devices, data transmission measurement, radio communication equipment, measuring instruments, other high frequency devices, etc.

Product Specifications

Nominal Characteristic Impedance	50 Ω	Operating Temperature	-10 to +65°C
Rated Frequency	0 to 40GHz	Operating Relative Humidity	90% RH Max.
Power	1W CW (+65°C)		

Materials / Finish

Part	Materials	Finish
Shell	Stainless Steel	Passivate
Insulator	PTFE Resin	-
Male Contact	Brass	Gold Plated
Female Contact	Beryllium Copper	Gold Plated
Coupling	Stainless Steel	Passivate
Resistive Element	Metal Film	-

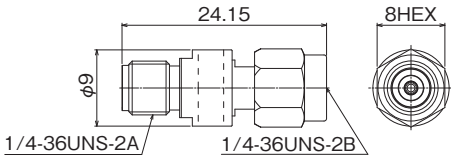
Product Number Structure

HK - AT (##) - PJ

① ② ③ ④

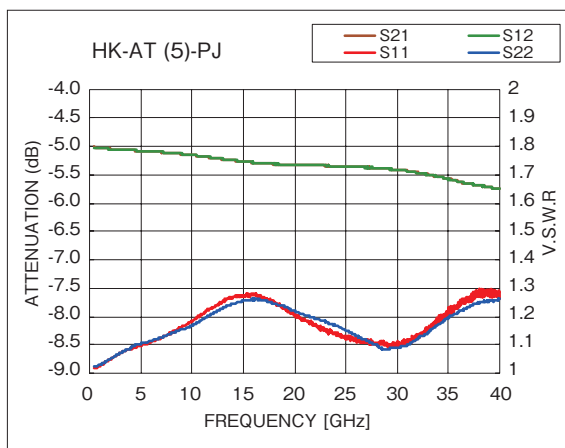
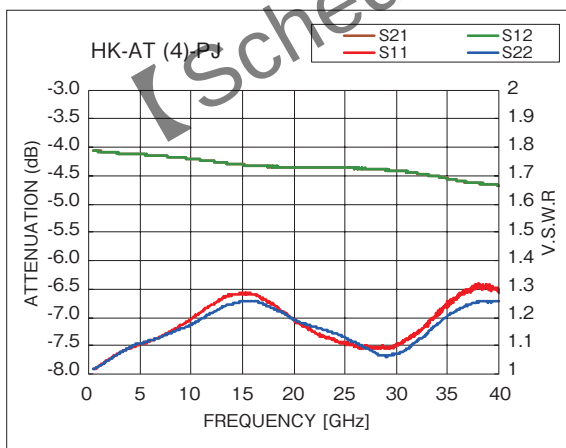
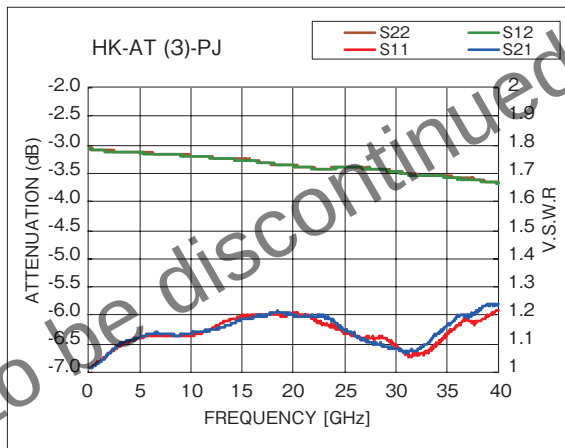
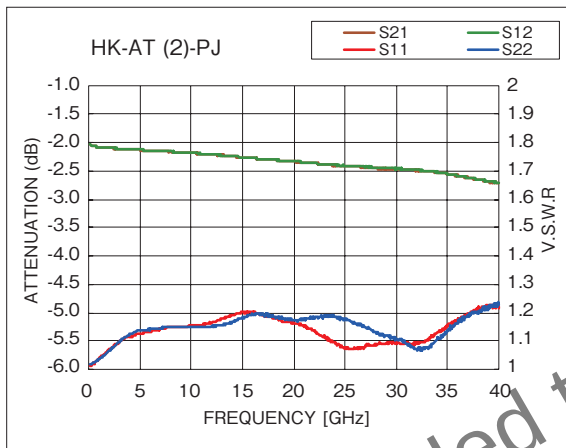
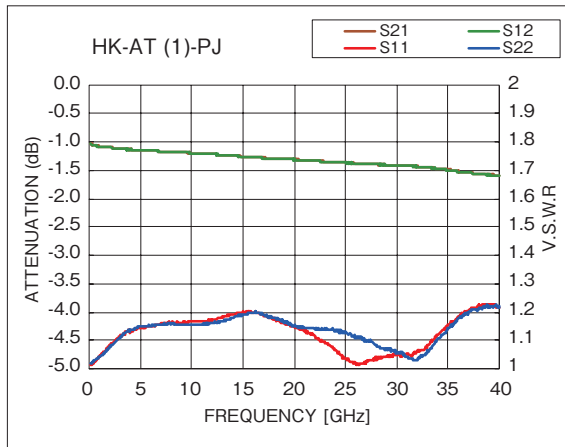
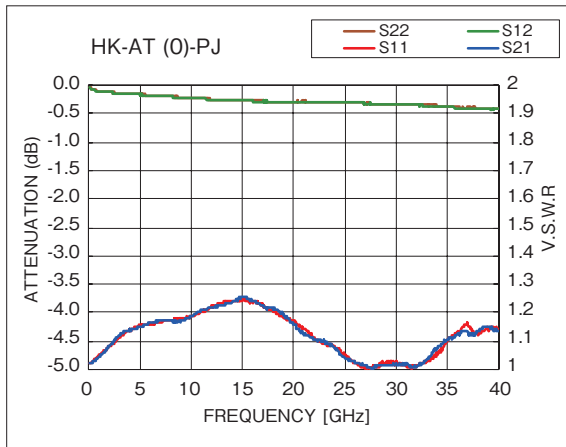
① Series Name	HK	③ Attenuation	(EX.) (0) : 0dB (Though) (3) : 3dB (10) : 10dB
② AT	Attenuator	④ Connector Type	PJ : Plug Jack

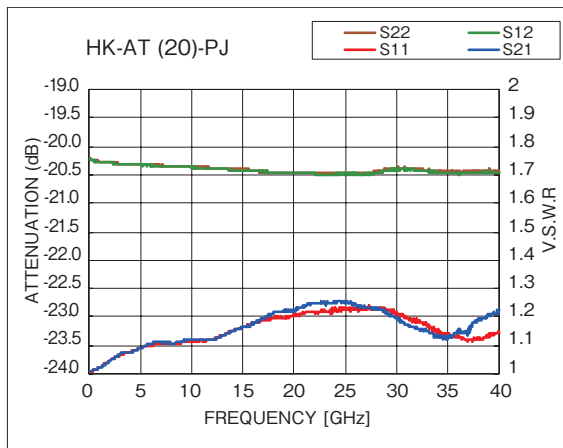
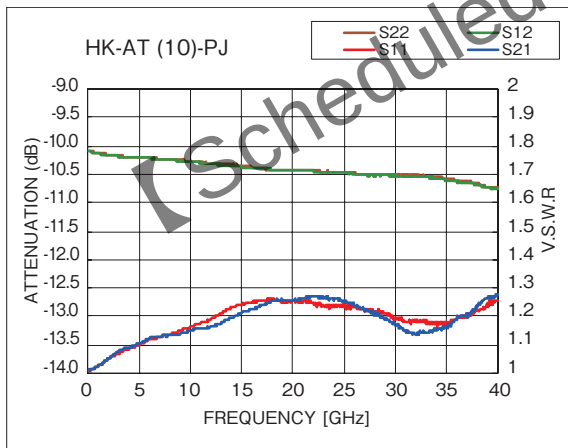
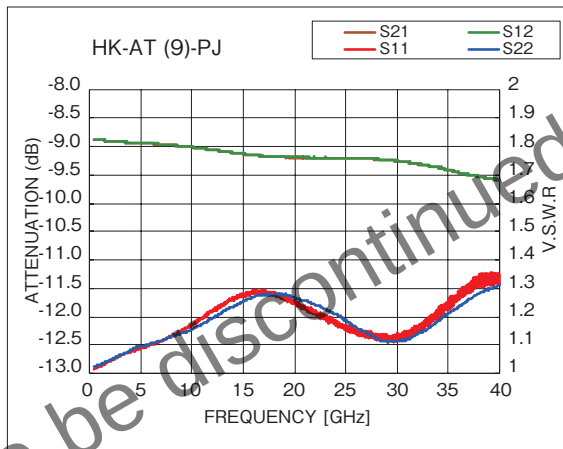
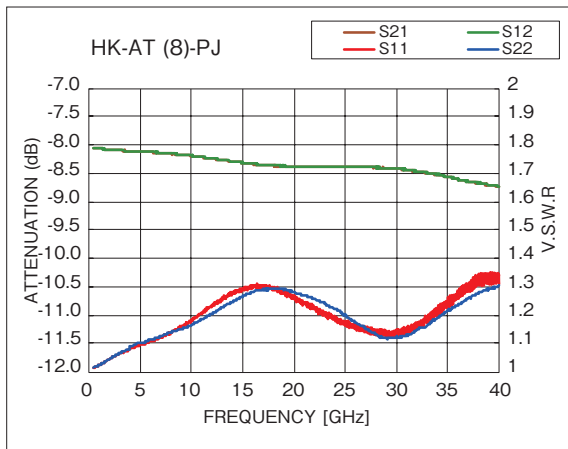
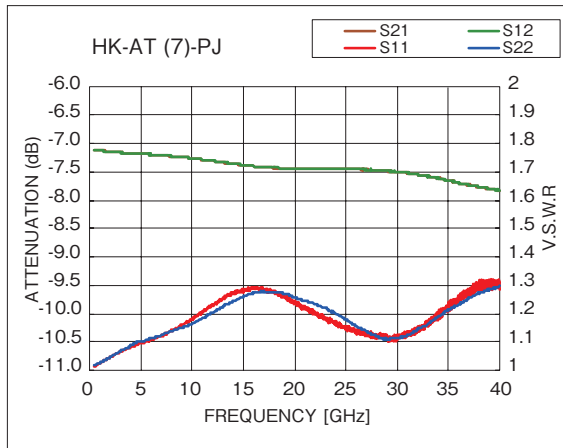
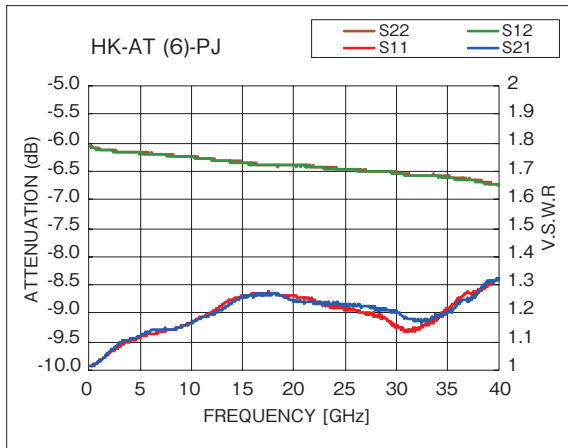
Attenuator



Part No.	HRS No.	Attenuation (dB)			Voltage Standing Wave Ratio (V.S.W.R.)(Max.)		Purchase Unit
		0 to 18GHz	18 to 26.5GHz	26.5 to 40GHz	0 to 12GHz	12 to 40GHz	
HK-AT(0)-PJ	CL0354-0295-0-00	0 ^{+0.4} ₀	0 ^{+0.5} ₀	0 ^{+0.8} ₀	1.35	1.3 1.4	1pc per box
HK-AT(1)-PJ	CL0354-0316-0-00	1 ^{+0.9} _{-0.3}	1 ^{+1.0} _{-0.3}	1 ^{+1.2} _{-0.3}	1.3		
HK-AT(2)-PJ	CL0354-0317-0-00	2 ^{+0.9} _{-0.3}	2 ^{+1.0} _{-0.3}	2 ^{+1.2} _{-0.3}			
HK-AT(3)-PJ	CL0354-0296-0-00	3 ^{+0.7} _{-0.3}	3 ^{+0.8} _{-0.3}	3 ^{+1.0} _{-0.3}			
HK-AT(4)-PJ	CL0354-0318-0-00	4 ^{+0.8} _{-0.4}	4 ^{+0.9} _{-0.4}	4 ^{+1.1} _{-0.4}			
HK-AT(5)-PJ	CL0354-0319-0-00	5 ^{+0.9} _{-0.4}	5 ^{+1.0} _{-0.4}	5 ^{+1.2} _{-0.4}	1.35	1.45	
HK-AT(6)-PJ	CL0354-0297-0-00	6 ^{+0.8} _{-0.2}	6 ^{+0.9} _{-0.2}	6 ^{+1.0} _{-0.2}		1.3 1.4 1.45	
HK-AT(7)-PJ	CL0354-0320-0-00	7 ^{+1.0} _{-0.4}	7 ^{+1.1} _{-0.4}	7 ^{+1.3} _{-0.4}	1.3		
HK-AT(8)-PJ	CL0354-0321-0-00	8 ^{+0.9} _{-0.5}	8 ^{+1.0} _{-0.5}	8 ^{+1.2} _{-0.5}			
HK-AT(9)-PJ	CL0354-0322-0-00	9 ^{+0.9} _{-0.5}	9 ^{+1.0} _{-0.5}	9 ^{+1.2} _{-0.5}			
HK-AT(10)-PJ	CL0354-0298-0-00	10 ^{+0.9} _{-0.5}	10 ^{+1.0} _{-0.5}	10 ^{+1.2} _{-0.5}	1.25	1.4	
HK-AT(20)-PJ	CL0354-0299-0-00	20±1.0	20 ^{+1.2} _{-1.0}	20 ^{+1.4} _{-1.0}			

Frequency Characteristics (TYPICAL)





Precautions

1. The diameter of the center contact pin is only $\phi 0.92\text{mm}$.
Please handle with care. When mating the component with the corresponding connector, rotate the hex part only.
2. If any dust is found on the shell interface when mating the components, please wipe with alcohol.

【Scheduled to be discontinued】

While Taking into Consideration

Specifications mentioned in this catalog are reference values.

When considering to order or use this product, please confirm the Drawing and Product Specifications sheets.

Use an appropriate cable when using the connector in combination with cables.

If considering usage of a non-specified cable, please contact your sales representative.

If assembly process is done by jigs & tools which are not identified by Hirose, assurance will not be given.

If considering usage for below mentioned applications, please contact your sales representative.

In cases where the application will demand a high level of reliability, such as automotive, medical instruments, public infrastructure, aerospace/ defense etc. Hirose must review before assurance of reliability can be given.