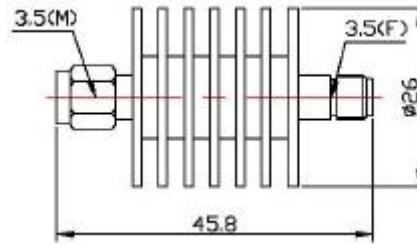


**Model UCL-3.5SP10 DC-26.5GHz 10 Watts**



Coaxial fixed attenuators can satisfy almost any requirement where a reduction in power is needed and are used to extend the dynamic range of devices such as power meters and amplifiers, reduce signal levels to detectors and match circuits. Attenuators are also used to balance out transmission lines that otherwise would have unequal signal levels.

UCL-3.5SP coaxial fixed attenuators' average power 2-50W, frequency range from DC-26.5GHz and feature wide frequency band, low VSWR, flatness attenuation value and excellent capacity in anti-pulse and anti-burnout etc.

### MECHANICAL SPECIFICATIONS

Connectors	Brass Gold Plated
Male Pin	Brass Gold Plated
Female Pin	Beryllium Copper Gold Plated
Housing	Aluminum, Black Anodize
Temp Range	-55° C ~ +125° C
Dimensions	Φ26×45.8mm
Weight	35g

**RoHS Compliant: Yes**

### ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range (GHz)	Attenuation Value & Accuracy (dB)				Max VSWR
		1-10	20	30	40	
UCL-3.5SP10-XX-4	DC-4	±0.4	±0.3	±0.3	±0.5	1.10
UCL-3.5SP10-XX-8	DC-8	±0.5	±0.4	±0.4	±0.5	1.10
UCL-3.5SP10-XX-12.4	DC-12.4	±0.6	±0.5	±0.5	-0.5/+0.7	1.15
UCL-3.5SP10-XX-18	DC-18	±0.8	±0.8	±0.8	-0.5/+1.0	1.20
UCL-3.5SP10-XX-26.5	DC-26.5	±1.0	-0.5/+1.2	-0.5/+1.2	-0.5/+1.2	1.25

Model Number	Frequency Range (GHz)	Attenuation Value & Accuracy (dB)					Max VSWR
		50	60	70	80	90	
UCL-3.5SP10-XX-4	DC-4	±1.0	-1.0/+1.5	-1.2/+1.5	±1.5	±1.5	1.10
UCL-3.5SP10-XX-8	DC-8	±1.0	-1.0/+1.5	-1.2/+1.5	±1.5	±1.5	1.10
UCL-3.5SP10-XX-12.4	DC-12.4	±1.0	-1.0/+1.5	-1.2/+1.5	±1.5	±1.5	1.15
UCL-3.5SP10-XX-18	DC-18	-1.0/+1.2	-1.0/+1.5	-1.2/+1.5	±1.5	±2.0	1.20
UCL-3.5SP10-XX-26.5	DC-26.5	-1.0/+1.5	-1.0/+1.5	-1.2/+1.8	-1.5/+2.0	±2.5	1.25

Note: XX refer to attenuation value in dB

**NOMINAL IMPEDANCE:** 50Ω

**AVERAGE POWER:** 10W average to 25°C ambient temperature, derated linearly to 1W @ 125°C.

**PEAK POWER:** 0.5KW (5μs pulse width with 2% duty cycle)

**CONNECTOR TYPE:** 3.5mm

**Notes:**

1. Dimensions Tolerance ±2%
2. Custom designs available for other special attenuation value & accuracy.