



**Model UCL-IHP50**

**Inset Attenuator**

**50 Watts DC-4GHz**

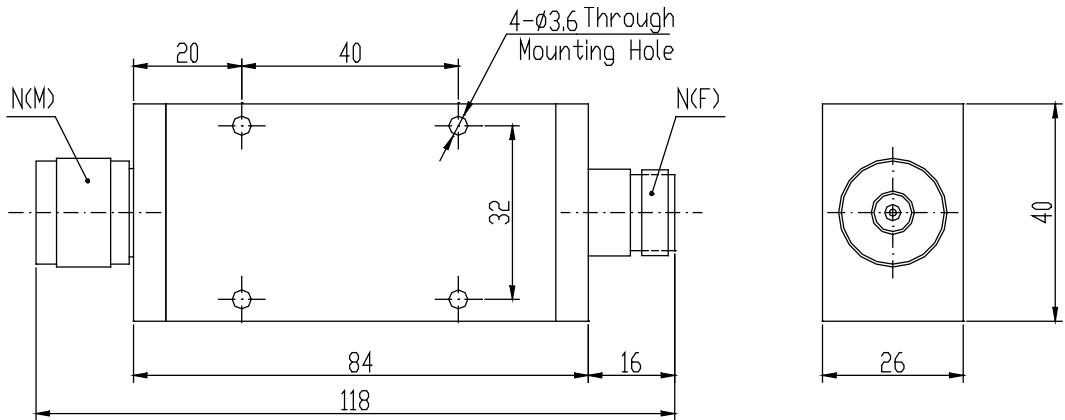


Coaxial fixed attenuators are used in absorbing energy of transmission line, expanding power range and controlling power level, they are also used in accurately measuring power or spectrum of RF microwave transmitters accompany with small power meter, comprehensive tester or spectrum analyzer. UCL-IHP50 serial Inset attenuators' average power from 50W-300W, frequency range from DC-4GHz.

**NOMINAL IMPEDANCE:** 50Ω  
**AVERAGE POWER:** 50W average to 25°C ambient temperature, derated linearly to 5W @ 125°C.  
**PEAK POWER:** 5KW (5μs pulse width with 1% duty cycle)  
**3<sup>rd</sup> ORDER INTERMODULATION(Optional):** Reflected Levels(IM3) <-100dBc with two input signals @935MHz and 960MHz with average carrier power levels of +43dBm each.  
**TEMPERATURE RANGE:** -55°C~+125°C  
**CONNECTOR TYPE:** N,SMA  
**WEIGHT:** 0.25Kg  
**PHYSICAL DIMENSIONS:** 118×40×26mm

Model Number	Frequency Range (GHz)	Attenuation Value & Accuracy (dB)	Max VSWR
		3,6,10,20,30,40	
UCL-IHP50	DC-2	±0.7	1.25
	DC-4	±1.0	1.35

**Outline Drawings**



\* Dimensions are given in mm and tolerance ±2%.  
 \*\* VSWR varies according to frequency and attenuation value.  
 \*\*\* VSWR and dimensions refer to connector type N.