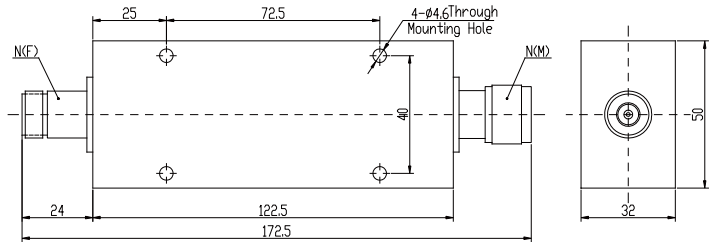


Inset attenuators are used in absorbing energy of transmission line, expanding power range and controlling power level, they are also used in accurately measuring power or spectrum of RF microwave transmitters accompany with small power meter, comprehensive tester or spectrum analyzer.

SAT27B100XXXWN serial Inset attenuators' average power from 50W-200W, frequency range from DC-10GHz.



MECHANICAL SPECIFICATIONS	
Connectors	Brass Nickel Plated
Male Pin	Brass Gold Plated
Female Pin	Beryllium Copper Gold Plated
Housing	Aluminum
Temp Range	-55°C ~ +125°C
Dimensions	172.5×50×32mm
Weight	800g

RoHS Compliant: Yes

### ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)				Max VSWR
		10	20	30	40	
SAT27B100XX04WN	DC-4	/	±0.5	±0.5	±0.5	1.25
SAT27B100XX08WN	DC-8	/	±0.75	±0.75	±0.75	1.35
SAT27B100XX10WN	DC-10	/	/	±0.75	±0.75	1.40

Note: XX refer to attenuation value in dB

**NOMINAL IMPEDANCE:** 50Ω

**AVERAGE POWER:** 100W average to 25°C ambient temperature, derated linearly to 10W @ 125°C

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

**CONNECTOR TYPE:** N

### Notes:

1. Dimensions Tolerance ±5%
2. Custom designs available for other special attenuation value & accuracy.