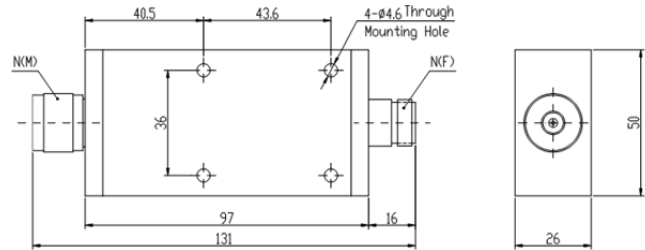


Inset attenuators are used in absorbing energy of transmission line, expanding power range and controlling power level, they are also used in accurately measuring power or spectrum of RF microwave transmitters accompany with small power meter, comprehensive tester or spectrum analyzer.

SAT27B100XXXXN serial Inset attenuators' average power from 50W-300W, frequency range from DC-4GHz.



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	131×50×26mm
Weight	350g

RoHS Compliant: Yes

ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)	Max VSWR
		3,6,10,20,30,40	
SAT27B100XX02N	DC-2	±0.7	1.25
SAT27B100XX04N	DC-4	±1.0	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: 10KW (5μs pulse width with 1% duty cycle)

CONNECTOR TYPE: N

Notes:

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