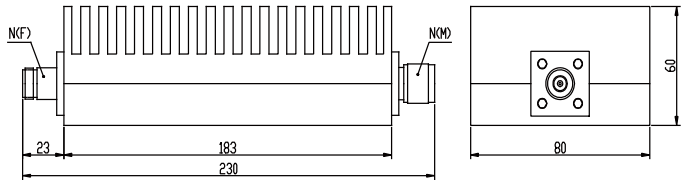


SAT27M100XX03LIM Low Intermodulation attenuators' average power is 100W frequency range is DC-3GHz. It provides a test terminal for intermodulation test and the passive Intermodulation of its own won't affect the result of measuring. Under two 20W power, intermodulation of DTS-LIM serial low intermodulation terminations less than -120dBc that make the test result reasonable. And the termination can be also used in high precision test and measuring in amplifier.



MECHANICAL SPECIFICATIONS	
Connectors	Ternary Alloy
Male Pin	Brass Silver Plated
Female Pin	Beryllium Copper Silver Plated
Housing	Aluminum
Temp Range	-55°C~+125°C
Dimensions	230×80×60mm
Weight	1.8Kg

RoHS Compliant: Yes

ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range(GHz)	Attenuation Value & Accuracy (dB)			MAX VSWR
		20	30	40	
SAT27M100XX03LIM	DC-3	±0.6	±0.6	±0.6	1.30

Note: XX refer to attenuation value in dB

3rd ORDER INTERMODULATION

Model Number	Two Input Signals	Reflected IM3
SAT27M100XX03LIM	935MHz & 960MHz	-120dBc@2×43dBm

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.