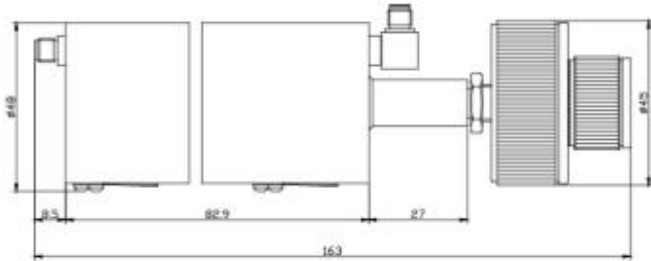


MoTech Electronics

VARIABLE/STEP ATTENUATORS

Model MGKTSX-2-XX-18-A6 DC-18GHz 2,5 Watts



Rotary Step attenuators are used to adjust the power signal level by step within certain frequency range, they can also be used to adjust the test system's power level as inset attenuators, it is small with high accuracy and high stability etc.

MGKTS2-2-XX-18-A6 type rotary step attenuators' average power 2W,10W, frequency range from DC-18GHz, attenuation value 0-99dB by 1dB step.

MECHANICAL SPECIFICATIONS	
Connectors	Stainless Steel
Female Pin	Beryllium Copper Gold Plated
Housing	Aluminum
Temp Range	0°C ~ +54°C
Dimensions	Ø48×163mm
Weight	480g

RoHS Compliant: Yes

ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range(GHz)	Attenuation Step Size	Max VSWR	Insertion Loss(dB)	Attenuation Accuracy(dB)
MGKTSX-2-69-8-A6	DC-8	0-69dB in 1dB steps	1.50	≤1.0	±0.5dB (0~9dB) ±1.0dB(10~19dB) ±1.5dB(20~49dB) ±2.0dB(50~70dB)
MGKTSX-2-69-12.4-A6	DC-12.4		1.60	≤1.25	±0.8dB (0~9dB) ±1.0dB(10~19dB) ±1.5dB(20~49dB) ±2.0dB(50~70dB)
MGKTSX-2-69-18-A6	DC-18		1.75	≤1.5	±0.8dB (0~9dB) ±1.0dB(10~19dB) ±1.5dB(20~49dB) ±2.0dB(50~70dB)
MGKTSX-2-99-8-A6	0.1-8	0-99dB in 1dB steps	1.50	≤1.0	±0.5dB (0~9dB) ±1.0dB(10~19dB) ±1.5dB(20~49dB) ±2.0dB(50~69dB) ±2.5dB or 3.5%(70~99dB)
MGKTSX-2-99-12.4-A6	0.1-12.4		1.60	≤1.25	±0.8dB (0~9dB) ±1.0dB(10~19dB) ±1.5dB(20~49dB) ±2.0dB(50~69dB) ±2.5dB or 3.5%(70~99dB)
MGKTSX-2-99-18-A6	0.1-18		1.75	≤1.5	±0.8dB (0~9dB) ±1.0dB(10~19dB) ±1.5dB(20~49dB) ±2.0dB(50~69dB) ±2.5dB or 3.5%(70~99dB)

NOMINAL IMPEDANCE: 50Ω

AVERAGE POWER: 2W,5W

PEAK POWER: 200W (5μs pulse width with 0.5% duty cycle)

CONNECTOR TYPE: SMA (F,F)

Notes:

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