

MoTech Electronics

VARIABLE/STEP ATTENUATORS

Model GKTSX-2-XX-18-A7-B DC-18GHz 2,10 Watts

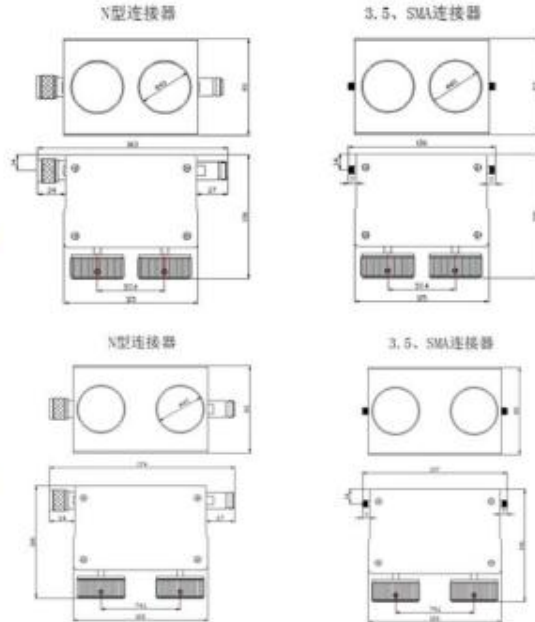


Rotary Step attenuators are used to adjust the power signal level by step within certain frequency range, they can also be used to adjust the test system's power level as inset attenuators, it is small with high accuracy and high stability etc.

MGKTSX-2-XX-18-A7-B type rotary step attenuators' average power 2W,10W, frequency range from DC-18GHz, attenuation value 0-99dB by 1dB step.

2W

10W



MECHANICAL SPECIFICATIONS

| Connectors | Male Pin | Female Pin | Housing | Temp Range | Dimensions | Weight |
|---------------------|-------------------|------------------------------|---------------------------|-------------|-------------------------------------|--------------------------|
| Brass Nickel Plated | Brass Gold Plated | Beryllium Copper Gold Plated | Aluminum Anodic Oxidation | 0°C ~ +54°C | 2W:115×106×83mm 10W:126×106×83mm | 985~1039g 1021g~1075g |

RoHS Compliant: Yes

ELECTRICAL SPECIFICATIONS

| Model Number | Frequency Range(GHz) | Attenuation Step Size | Max VSWR | Insertion Loss(dB) | Attenuation Accuracy(dB) |
|------------------------|----------------------|-----------------------|----------|--------------------|--------------------------|
| MGKTS2-2-69-8-A7-B | DC-8 | 0-69dB in 1dB steps | 1.5 | ≤1.25 | ±0.5dB(0~9dB) |
| MGKTS2-2-69-12.4-A7-B | DC-12.4 | | 1.5 | ≤1.5 | ±1.0dB(0~19dB) |
| MGKTS2-2-69-18-A7-B | DC-18 | | 1.75 | ≤1.5 | ±1.5dB(20~49dB) |
| MGKTS2-2-99-8-A7-B | DC-8 | 0-99dB in 1dB steps | 1.5 | ≤1.25 | ±2.0dB(50~69dB) |
| MGKTS2-2-99-12.4-A7-B | DC-12.4 | | 1.5 | ≤1.5 | ±0.5dB(0~9dB) |
| MGKTS2-2-99-18-A7-B | DC-18 | | 1.75 | ≤1.5 | ±1.0dB(0~19dB) |
| MGKTS10-2-69-8-A7-B | DC-8 | 0-69dB in 1dB steps | 1.5 | ≤1.25 | ±1.5dB(20~49dB) |
| MGKTS10-2-69-12.4-A7-B | DC-12.4 | | 1.6 | ≤1.5 | ±2.0dB(50~69dB) |
| MGKTS10-2-69-18-A7-B | DC-18 | | 1.75 | ≤1.75 | ±0.5dB(0~9dB) |
| MGKTS10-2-99-8-A7-B | DC-8 | 0-99dB in 1dB steps | 1.5 | ≤1.25 | ±1.0dB(0~19dB) |
| MGKTS10-2-99-12.4-A7-B | DC-12.4 | | 1.6 | ≤1.5 | ±1.5dB(20~49dB) |
| MGKTS10-2-99-18-A7-B | DC-18 | | 1.75 | ≤1.75 | ±2.0dB(50~69dB) |
| | | | | | ±2.5dBor3.5%(70~99dB) |

NOMINAL IMPEDANCE: 50Ω

AVERAGE POWER: 2W,10W

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

CONNECTOR TYPE: N(M,F), SMA(F,F), 3.5mm(F,F)

Notes:

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