

**Main specifications**

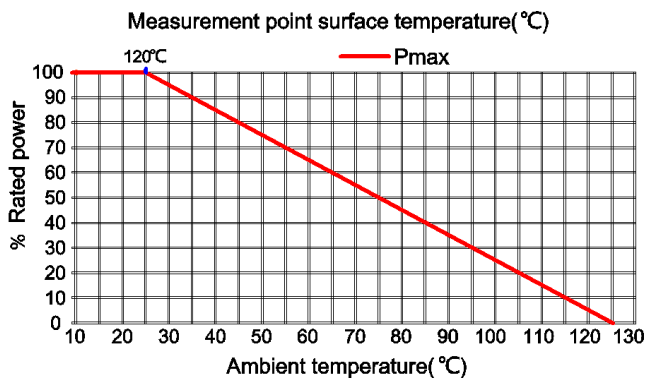
| Parameters  | Min  | Typical | Max  | Units |
|-------------|------|---------|------|-------|
| Frequency   | DC   | ~       | 8    | GHz   |
| Attenuation | 19.4 | 20      | 20.6 | dB    |
| VSWR        |      |         | 1.2  |       |

**Other parameters**

|                        |                            |
|------------------------|----------------------------|
| Power                  | 20W Design assurance       |
| Impedance              | 50Ω                        |
| Connector              | SMA-JK                     |
| Connector material     | Stainless steel            |
| Surface                | Black                      |
| Product shell material | Aluminum                   |
| Work Temp.             | -45~+85°C Design assurance |
| Other                  | In put SMA-J               |

**Typical test data**

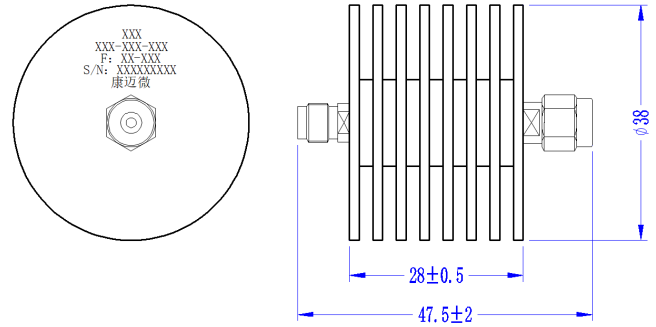
| Frequency GHz | S11 VSWR | S22 VSWR | S12 IL (dB) |
|---------------|----------|----------|-------------|
| 0.01          | 1.01     | 1.01     | -19.91      |
| 0.86          | 1.01     | 1.03     | -19.98      |
| 1.71          | 1.02     | 1.03     | -20.01      |
| 2.57          | 1.03     | 1.03     | -20.03      |
| 3.43          | 1.02     | 1.03     | -20.06      |
| 4.29          | 1.01     | 1.04     | -20.07      |
| 5.14          | 1.03     | 1.06     | -20.06      |
| 6             | 1.02     | 1.08     | -20.02      |
| 6.86          | 1.1      | 1.1      | -19.98      |
| 7.71          | 1.16     | 1.13     | -19.95      |
| 8.57          | 1.17     | 1.15     | -20.02      |
| 9.43          | 1.16     | 1.18     | -20.15      |
| 10.29         | 1.18     | 1.2      | -20.27      |
| 11.14         | 1.27     | 1.22     | -20.38      |
| 12            | 1.35     | 1.24     | -20.47      |

**Power Derating Curve**

**Note**

1. When installing attenuators, it is necessary to consider sufficient heat dissipation space and avoid installing them next to equipment with high heat output, otherwise the power capacity will decrease;
2. Small power attenuators do not have input and output directions, nor do they indicate directions. When high-power attenuators have input and output port markings, they must be connected to the equipment in the specified direction, otherwise the attenuator may burn out.

Note: The specifications and performance data contained in this data sheet are based on tests established by COMW.

**Reference picture**

**Configuration(mm)**

**Typical test curve**
