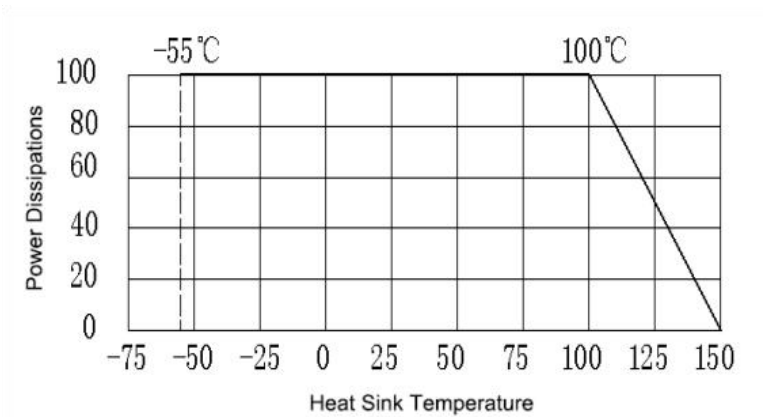


## Surface Mount Attenuators

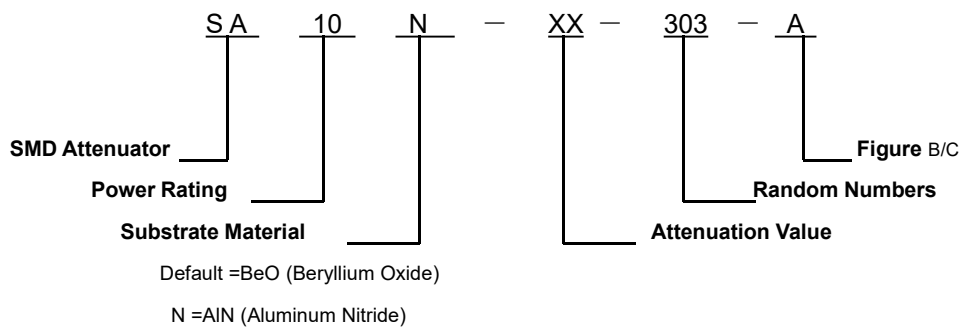
### Electrical Features

- ◇ **Input Impedance:** 50Ω
- ◇ **Power Rating:** 5W-50W
- ◇ **Substrate Material:** Beryllium Oxide (BeO)
- ◇ **Frequency Range:** DC-13GHz
- ◇ **Attenuation Value:** 1-30dB
- ◇ **Attenuation Tolerance:** 1-10dB ±0.6dB / 11-20dB ±0.8dB / 21-30dB ±1.0dB
- ◇ **Operating Temperature:** -55°C to +150°C
- ◇ **Temperature Coefficient:** ±150ppm/°C

### Power Derating



### HOW TO ORDER



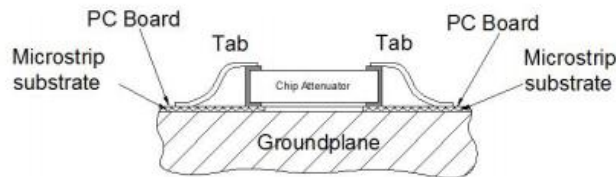
## General Specifications and Dimensions

Part Number	Substrate	Power Rating (W)	Frequency Range (GHz)	Attenuation Value (dB)	VSWR (Max.)	Dimensions (mm)		
						L	W	T
SA5-XX-201C	BeO	5	DC-13	1-20	1.30 :1	2.5	2.5	0.38
SA5-XX-303C	BeO	5	DC-3.5	1-30	1.35 :1	4.0	4.0	0.6
SA50-XX-108B	BeO	50	DC-6.2	1-30	1.35 :1	6.0	6.0	1.0

\* Customized products are available, please consult with Kete.

## Installation Instructions

1. When welding devices or leads, it is best to use a temperature-controlled soldering iron and keep the temperature at 260°C.
2. It is best to make an arch bridge shape at the lead (as shown), which can release the ability of thermal deformation to ensure good contact at the lead. Install the lead as little as possible to prevent the lead break.



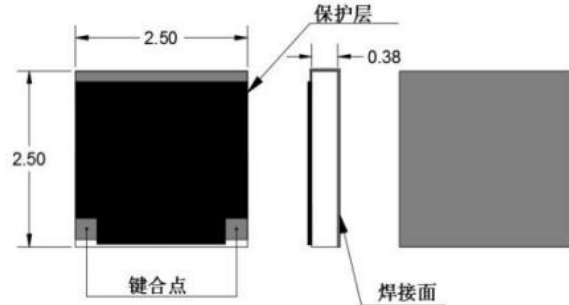
## Surface Mount Attenuators

Part Number: SA5-XX-201C

### Electrical Specifications

- ✧ **Input Impedance:** 50 Ω
- ✧ **Power Rating:** 5W
- ✧ **Substrate Material:** BeO
- ✧ **Frequency Range:** DC-13GHz
- ✧ **Attenuation Value:** 1-20dB
- ✧ **VSWR :** ≤1.30 :1
- ✧ **Operating Temperature:** -55°C to +150°C
- ✧ **Temperature Coefficient:** ±150ppm/°C
- ✧ **Install Method:** Gold wire bonding on the front side, soldering or bonding on the back.

### Outline Drawing (mm)

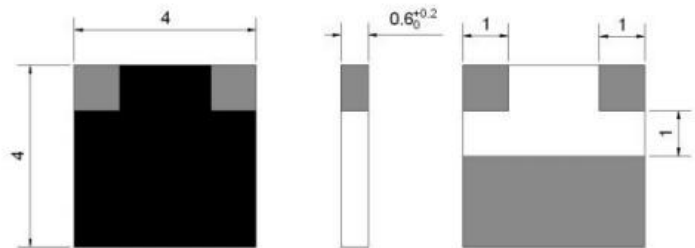


Part Number: SA5-XX-303C

### Electrical Specifications

- ✧ **Input Impedance:** 50 Ω
- ✧ **Power Rating:** 5W
- ✧ **Substrate Material:** BeO
- ✧ **Frequency Range:** DC-3.5GHz
- ✧ **Attenuation Value:** 1-30dB
- ✧ **VSWR :** ≤1.35 :1
- ✧ **Operating Temperature:** -55°C to +150°C
- ✧ **Temperature Coefficient:** ±150ppm/°C
- ✧ **Install Method:** SMD package

### Outline Drawing (mm)



Part Number: SA50-XX-108B

### Electrical Specifications

- ✧ **Input Impedance:** 50 Ω
- ✧ **Power Rating:** 50W
- ✧ **Substrate Material:** BeO
- ✧ **Frequency Range:** DC-6.2GHz
- ✧ **Attenuation Value:** 1-30dB
- ✧ **VSWR :** ≤1.35 :1
- ✧ **Operating Temperature:** -55°C to +150°C
- ✧ **Temperature Coefficient:** ±150ppm/°C
- ✧ **Install Method:** The tin soldering is used on the front and back side.

### Outline Drawing (mm)

