

Surface Mount Attenuators

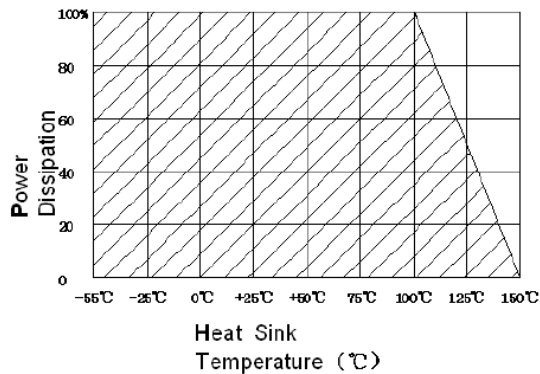
Electrical Features

- ✧ **Impedance:** 50 Ω
- ✧ **Power Rating:** 2W-250W
- ✧ **Frequency Range:** DC-3GHz
- ✧ **Attenuation Value:** 1-30dB
- ✧ **Attenuation Tolerance:** 1-10dB $\pm 0.6\text{dB}$ / 11-20dB $\pm 0.8\text{dB}$ / 21-30dB $\pm 1.0\text{dB}$
- ✧ **Operating Temperature:** -55°C to +150°C
- ✧ **RoHS Compliant**

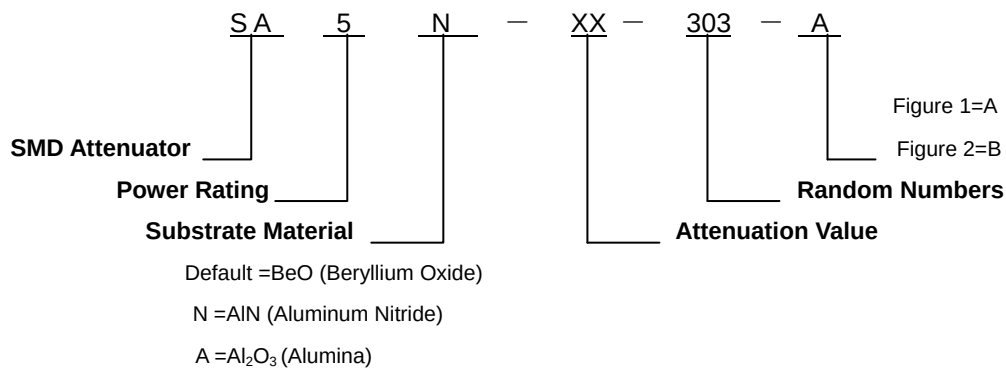
Mechanical Features

- ✧ **Substrate:** AlN, BeO, Al₂O₃
- ✧ **Mechanical Tolerance:** $\pm 2\%$
- ✧ **Packaging:** Carrier Tape (5000pc/reel), Plastic Box

Power Derating



HOW TO ORDER



General Specifications and Dimensions for 10W-150W DC-3GHz

Part Number	Power Rating (W)	Atten. Value (dB)	Freq. (GHz)	VSWR (Max.)	Dimensions (mm)					Outline Drawing
					L	W	H	I	B	
SA10N-20-301A	10	20	DC-3	1.20 :1	5	2.5	1	1	1	Figure 1
SA10N-30-301A	10	30	DC-3	1.20 :1	5	2.5	1	1	1	Figure 1
SA50N-20-501A	50	20	DC-2.3	1.25 :1	9.5	9.5	1	0.51	1.27	Figure 1
SA50N-30-501A	50	30	DC-2.3	1.25 :1	9.5	9.5	1	0.51	1.27	Figure 1
SA100N-20-501B	100	20	DC-3	1.20 :1	5.7	8.9	1	1	1.2	Figure 2
SA100N-30-501B	100	30	DC-3	1.20 :1	5.7	8.9	1	1	1.5	Figure 2
SA150N-20-330B	150	20	DC-3	1.20 :1	6.35	9.5	1	1	1.4	Figure 2
SA150N-30-330B	150	30	DC-3	1.20 :1	6.35	9.5	1	1	1.7	Figure 2

* Customized products are available, please consult with Kete.

Outline Drawing

Figure 1 (A)

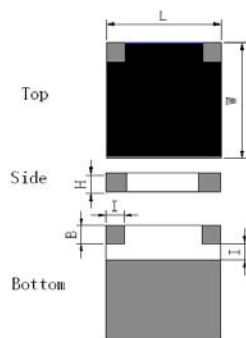
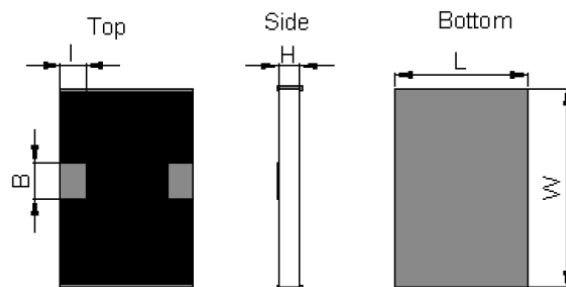


Figure 2 (B)



Installation Instructions

1. Solder part or leads in place with controlled temperature iron (260°C).
2. Drill thermal via through PCB and fill with solder.

