

Surface Mount Terminations

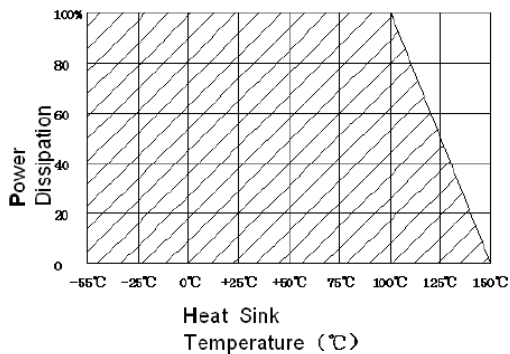
Electrical Features

- ✧ **Nominal Impedance:** 50 Ω
- ✧ **Resistive Tolerance:** ±5% standard; ±2%, ±1% available
- ✧ **Power Rating:** 5W-250W
- ✧ **Frequency Range:** DC-18GHz
- ✧ **Operating Temperature:** -55°C to +150°C
- ✧ **Temperature Coefficient:** <150ppm/°C
- ✧ **RoHS Compliant**

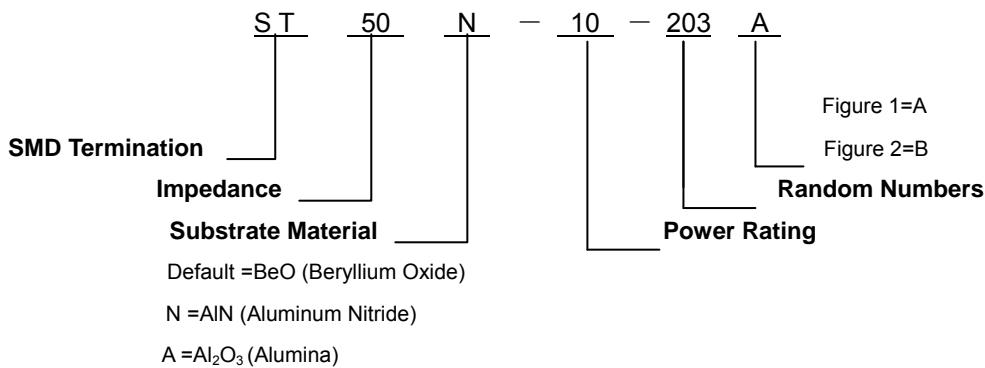
Mechanical Features

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

Power Curve



HOW TO ORDER



General Specifications and Dimensions for 5W-250W DC-18GHz

Part Number	Power Rating (W)	Frequency (GHz)	VSWR (Max.)	Dimensions (mm)						Outline Drawing
				L	W	H	A	B	C	
ST50N-10-203A	5	DC-3	1.20 :1	2.54	1.27	0.6	0.8	0.5	N/A	Figure 1
ST50-10-701A	10	DC-18	1.35 :1	2.54	1.27	0.6	0.8	0.6	N/A	Figure 1
ST50N-10-206B	10	DC-3	1.20 :1	2.54	1.27	0.6	1.27	0.4	0.6	Figure 2
ST50N-20-308A	20	DC-3	1.20 :1	2.5	5.0	1.0	2	1.5	N/A	Figure 1
ST50-20-406A	20	DC-18	1.35 :1	2.5	5.0	0.6	0.9	0.5	N/A	Figure 1
ST50N-20-310B	20	DC-3	1.20 :1	2.5	5.0	1.0	2.5	0.5	0.9	Figure 2
ST50N-20-410B	20	DC-4	1.20 :1	2.5	5.0	0.6	1.4	0.5	0.8	Figure 2
ST50N-80-316B	80	DC-3	1.20 :1	6.35	6.35	1.0	1.35	0.9	0.9	Figure 2
ST50N-100-330B	100	DC-3	1.20:1	6.35	6.35	1.0	1.27	0.76	1.0	Figure 2
ST50N-100-503A	100	DC-3	1.20:1	5.7	8.9	1.0	1.5	1.1	N/A	Figure 1
ST50N-150-323A	150	DC-3	1.20 :1	6.35	9.5	1.0	1.4	1.0	N/A	Figure 1
ST50N-150-306A	150	DC-3	1.25 :1	9.5	6.35	1.0	1.2	1.0	N/A	Figure 1
ST50N-150-701A	150	DC-3	1.20:1	9.5	6.35	1.5	1.6	1.0	N/A	Figure 1
ST50N-250-525A	250	DC-3	1.20 :1	9.5	9.5	1.0	3.0	1.1	N/A	Figure 1
ST50N-250-011A	250	DC-2.5	1.20 :1	9.5	9.5	1.5	1.6	1.0	N/A	Figure 1

* Customized products are available, please consult with Kete.

Outline Drawing

Figure 1 (A)

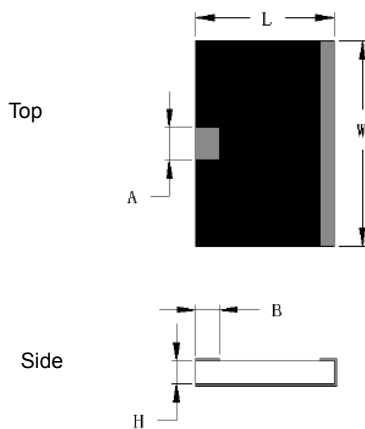
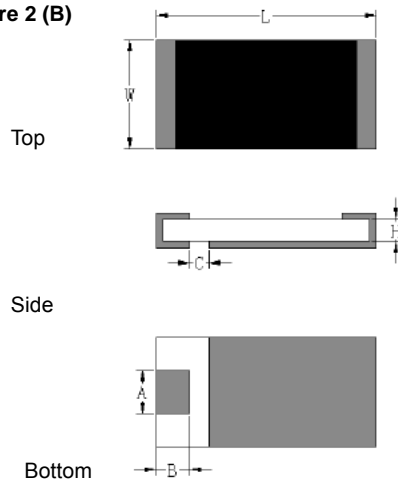


Figure 2 (B)



Installation Instruction

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

