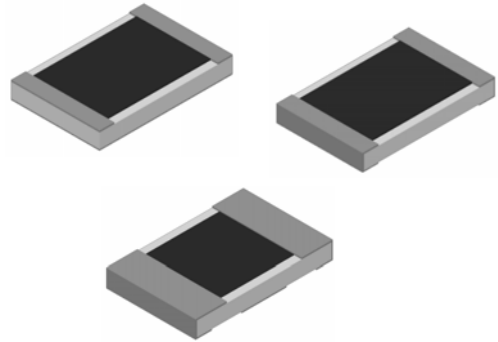


## Surface Mount Resistors

### Main Specifications

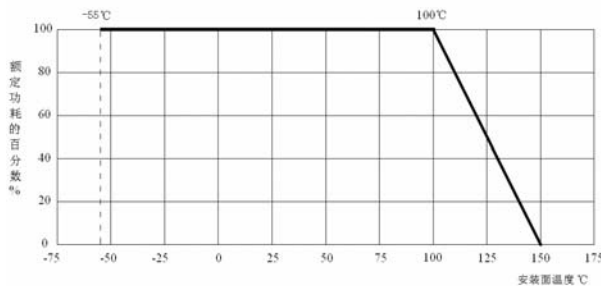
- ◇ **Standard Resistance:** 100Ω (4Ω~1000Ω available)
- ◇ **Resistive Tolerance:** ±5% standard; ±2%, ±1% available
- ◇ **Power Rating:** 5W-800W
- ◇ **Operating Temperature:** -55℃ to +150℃
- ◇ **Temperature Coefficient:** <150ppm/℃
- ◇ **RoHS Compliant**



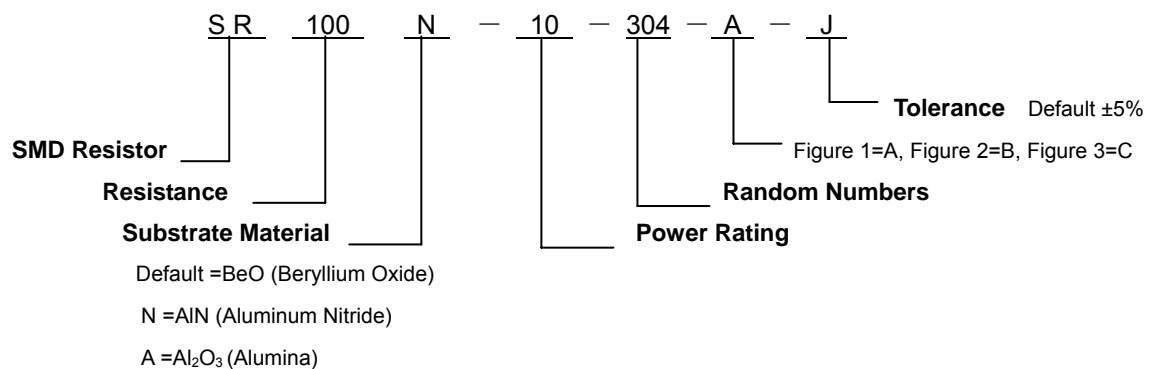
### Material Specifications

- ◇ **Resistor:** Thin Film
- ◇ **Substrate:** BeO, AlN, Al<sub>2</sub>O<sub>3</sub>
- ◇ **Mechanical Tolerance:** ±2%
- ◇ **Packaging:** Plastic Box

### Power Derating



### HOW TO ORDER



Resistance Tolerance			
Code	F	G	J
Tolerance	±1%	±2%	±5%

**Electrical Specifications and Dimensions**

Part Number	Power Rating (W)	Freq. (GHz)	Dimensions (mm)					Outline Drawing
			L	W	H	A	B	
SR100N-5-304A	5	DC-3	5	2.5	1	1.25	N/A	Figure 1
SR100N-6-307A	6	DC-3	6.35	6.35	1	1.5	N/A	Figure 1
SR100N-8-301A	8	DC-3	9.5	6.35	1	1.5	N/A	Figure 1
SR100N-10-303C	10	DC-3	5	2.5	1	1	0.6	Figure 3
SR100N-20-304C	20	DC-3	6.35	6.35	1	1	1	Figure 3
SR100N-30-306B	30	DC-3	5	2.5	1	0.7	N/A	Figure 2
SR100N-30-313C	30	DC-3	9.5	6.35	1	1.5	1	Figure 3
SR100N-60-302B	60	DC-3	6.35	6.35	1	1	N/A	Figure 2
SR100N-150-304B	150	DC-2	9.5	6.35	1	1.5	N/A	Figure 2
SR100N-250-501B	250	DC-2	9.5	9.5	1	1.5	N/A	Figure 2
SR100-400-603B	400	DC-1.5	12.7	12.7	1	1.5	N/A	Figure 2

\* We can supply custom product upon your request, please you contact us.

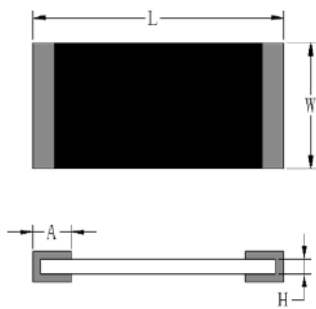
**Outline Drawing**


Figure 1

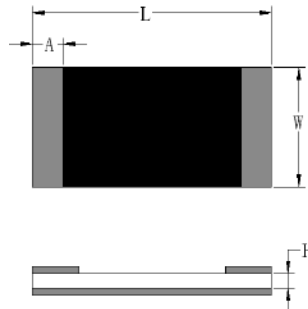


Figure 2

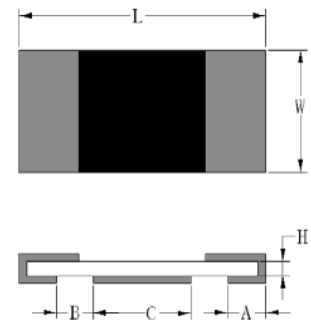
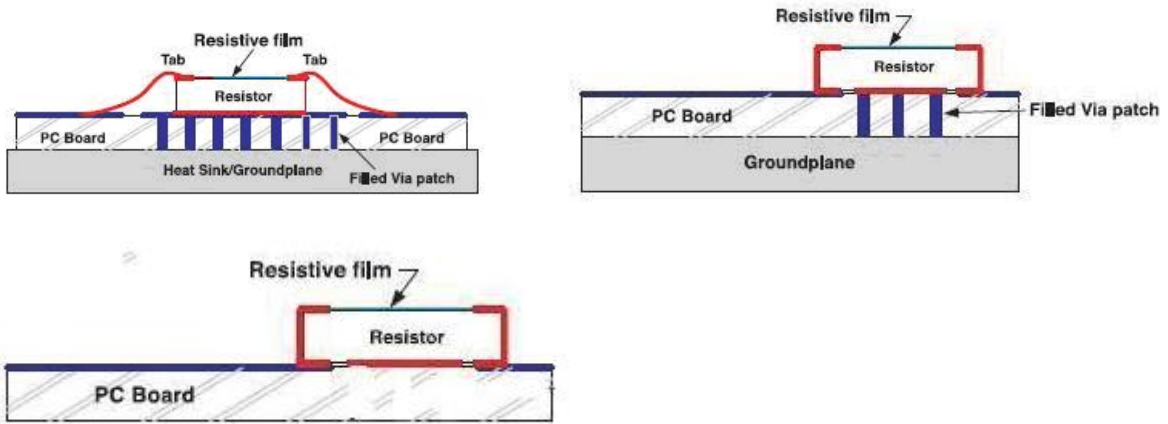


Figure 3

### Mounting and Attachment Recommendations



\* When attaching tabs or parts to a device, we recommend using controlled temperature iron (260°C).

\*\* Drill holes via the printed circuit board to dissipate heat and filled or plugged holes with solder.

## Example for Datasheet

### Surface Mount Resistors

Part Number: SR100N-60-302B-J

#### Electrical Specifications

- ◇ **Standard Resistance & Tol.:** 100  $\Omega$   $\pm$ 5%
- ◇ **Power Rating:** 60 W
- ◇ **Operating Temperature:** -55 ~+150°C
- ◇ **Temperature Coefficient:** <150ppm/°C
- ◇ **Substrate Material:** AlN
- ◇ **RoHS Compliant**

#### Outline Drawing (mm)

