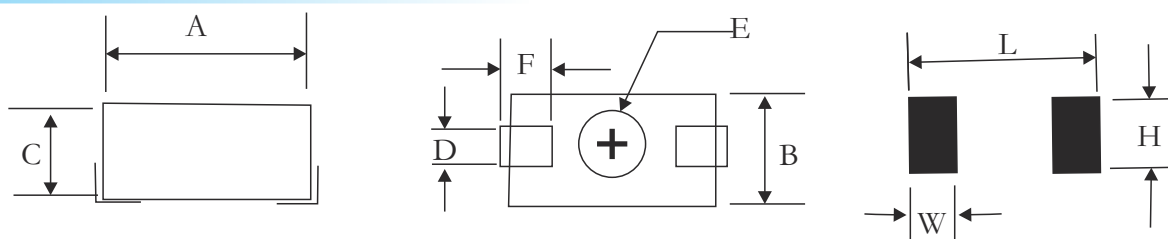




● Features

- I . Resistance: 0.005 to 50kOhms
- II . High Power: to 4 Watts
- III . Tolerance to $\pm 0.01\%$
- IV .High Temperature Rating up to 275° C
- V . Low Temperature Coefficient to $\pm 20\text{ppm}/^\circ\text{C}$
- VI . Superior Surge Handling Capability
- VII . Non-Inductive Windings are Available (Type SN)
- VIII .Flame Resistant UL 94V-0

● Dimensions



Solder Pad Dimennsions

Type	Power (w)	Dimensions						Stand-off		Footprint		
		A ($\pm 0.4\text{mm}$)	B ($\pm 0.4\text{mm}$)	C ($\pm 0.4\text{mm}$)	D ($\pm 0.4\text{mm}$)	F ($\pm 0.4\text{mm}$)	LeadThick- ness ($\pm 0.5\text{mm}$)	E ($\pm 0.4\text{mm}$)	Height ($\pm 0.13\text{mm}$)	W ($\pm 0.4\text{mm}$)	H ($\pm 0.4\text{mm}$)	L ($\pm 0.4\text{mm}$)
S-05	0.5W	4.80	3.3	2.8	1.5	1.0	0.15	2.5	0.13	1.6	2.5	6.40
S-1	1W	6.60	3.9	3.2	1.8	1.8	0.15	3.0	0.13	2.4	2.8	8.60
S-2	2W	11.4	6.4	4.6	3.0	2.5	0.15	4.8	0.13	3.9	5.8	13.7
S-3	3W	15.9	6.9	6.4	3.0	3.4	0.15	3.8	0.13	5.1	3.8	17.8
S-4	4W	20.8	7.5	7.7	3.8	4.8	0.15	6.2	0.13	5.6	6.4	22.9
SL-1	1W	6.60	3.9	3.2	1.8	1.8	0.15	3.0	0.13	2.4	2.8	8.60
SL-2	2W	11.4	6.4	2.5	3.0	2.5	0.15	4.8	0.13	3.9	5.8	13.7

● Ordering Information

Example:

S	1	J	100R	T
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance	Packaging

(1)Type: S 、 SL SERIES

(2)Power Rating: 05=0.5W,1=1W,2=2W,3=3W,4=4W

(3)Tolerance: J= $\pm 5\%$

(4)Resistance Value:100R0=100 Ω

(5)Packaging: T = T/R

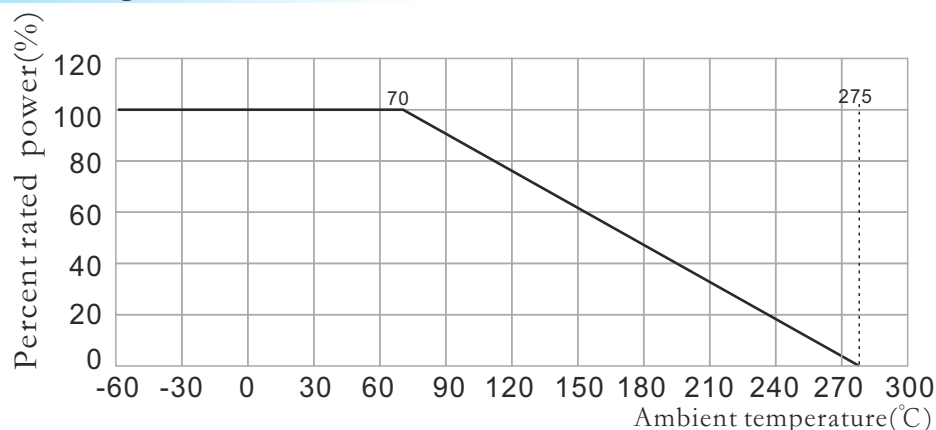
For Non-Inductive Windings / insert the letter “N” (i.e. SN-4)

Part Description: Part Type - Resistance - Tolerance - TCR (If not standard)Example: S-4 100 Ohm 1%

● Reference Standards

MIL-STD 202

Derating Curve



Applications And Ratings

Type	Power Rating Watts@70°C	Resistance Range(Ω)	Tolerances	Waximum Working Voltage
S-05	0.5	0.01~400R	J=±5	$\sqrt{P \cdot R}$
S-1	1.0	0.005~3K		
S-2	2.0	0.01~15K		
S-3	3.0	0.01~25K		
S-4	4.0	0.01~50K		
SL-1	1.0	0.005~3K		
SL-2	2.0	0.01~15K		

Performance

Specification	Value
Tolerances	S: ±0.01%.to ±5% SL: ±0.01%.to ±5%
Temperature Coefficient	S:>10Ω: ±20ppm/°C S:1Ω-10Ω: ±20ppm/°C S:<1Ω Call Factory SL: ±200pmm/°C For Lower Call Factory
Temperature Range	-50°C : to+275°C
Insulation Resistance	S:1000VAC SL:500VAC
Dielectric Strength	>1000MOms/Dry
Dielictric	±5%R+0.05Ω
Load Life	±1.0%R+0.05Ω
Storage	±0.5%R+0.05Ω
Moisture Resistance	±1.0%R+0.05Ω
Thermal Shock	±0.5%R+0.05Ω
5XOverload(5s)	±0.5%R+0.05Ω
Shock	±0.5%R+0.05Ω
Soldr Heat Resistance (260c.10s)	±0.5%R+0.05Ω