

SSC - “SURE” make Silicon Coated Capacitor Terminal Wire Wound Resistors.
FEATURES


- Specially designed for capacitor discharge application.
- Special terminal designed to fit on capacitor.
- Technically designed to meet repetitive pulse loading
- Corrosion Resistant SS Terminal for long life
- Superior vibration Resistance
- Non-inductive type also available on request
- Fully welded Construction

QUICK REFERENCE DATA

DESCRIPTION	SSC – 10
Resistance (1) range , Series	E24 Series (IS 8909)
And tolerance (2)	
± 10 %	0.01 Ω - 0.05 Ω
± 5 %	0.06 Ω - 100 KΩ
Rated dissipation at T amb = 70 °C	10W
Temperature coefficient. (3)	± 90 ppm/°C for below 10Ω, ± 50 ppm/°C for 10 Ω and above
Operating temperature	- 40 °C to + 200 °C
Basic specification	IEC60 115-1
Limiting voltage	$\sqrt{P_n \times R}$
Insulation resistance	>1000 M [Dry]

(1) Special resistive values available on request

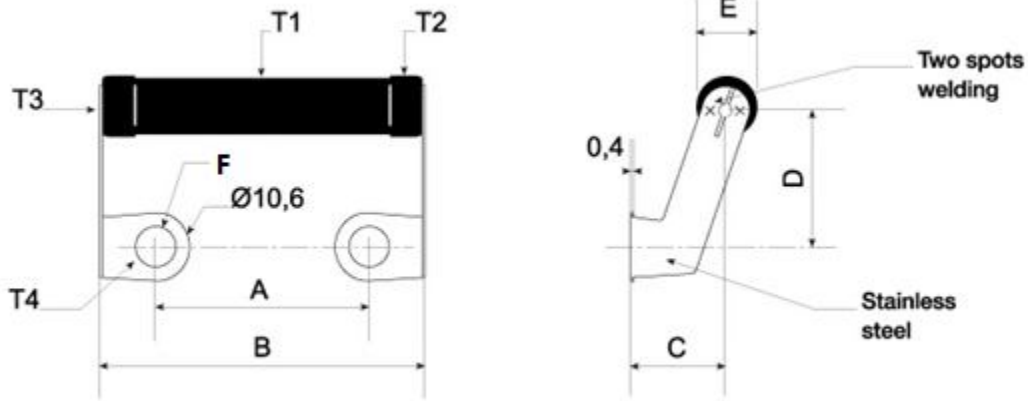
(2) Tolerances, 0.5, 1, 3 and 10% also available on request

(3) Non Inductive Type also available

TECHNOLOGY

SSC: The resistor element is a kanthal grade nicrome resistive wire, which is wound, in a single layer, on a ceramic rod. Metal caps are pressed over the ends of the rod. The ends of the resistive wire and the leads are connected to the caps by welding. SS Terminal ensures hardness and corrosion free contacts. The resistor is coated with green silicon cement which is non-flammable, will not drip even at high overloads and is resistant to most commonly used cleaning solvents

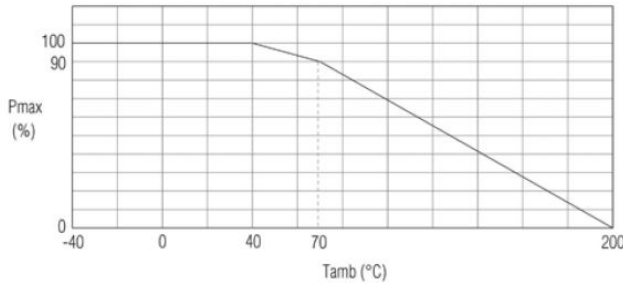
MECHANICAL DATA



Sr no	SURE Type	A (mm) Tol.: ±1	B (mm) Tol.: Max	C (mm) Tol.: ±1	D (mm) Tol.: ±1	E (mm) Tol.: ±1	F(mm) Tol.: ±0.1	Weight (Gr)
1	SSC – 10	31.8	50	15	21	9.5	6.3	11
1A	SSL – 10	31.8	45	15	15	10.5	5.5	18
2A	SSL - 20	36.8	50	15	15	13.5	5.5	13

ELECTRICAL CHARACTERISTICS

DERATING: The power that the resistor can dissipate depends on the operating temperature.



Maximum dissipation (Pmax) in percentage of rated as a function of ambient temperature (Tamb)

Test Point	Temp. Rise at Rated Power 7SR-7SR/B	Temp. Rise at Rated Power 71SR-10SR/B
T1	$\Delta T = 26 \text{ }^\circ\text{C/W}$	$\Delta T = 21.5 \text{ }^\circ\text{C/W}$
T2	$\Delta T = 16 \text{ }^\circ\text{C/W}$	$\Delta T = 12.3 \text{ }^\circ\text{C/W}$
T3	$\Delta T = 15 \text{ }^\circ\text{C/W}$	$\Delta T = 11.5 \text{ }^\circ\text{C/W}$
T4	$\Delta T = 1.2 \text{ }^\circ\text{C/W}$	$\Delta T = 1 \text{ }^\circ\text{C/W}$

APPLICATION

WIDELY USED IN CAPACITOR DISCHARGE APPLICATION, MOUNTED ON CAPACITORS DIRECTLY