查询RC10S01供应商 捷多邦，专业PCB打样工厂，24小时加急出货

SHANGHAI SUNRISE ELECTRONICS CO., LTD.

RC10S01 THRU RC10S10

SILICON SILASTIC
CELL RECTIFIER

TECHNICAL SPECIFICATION

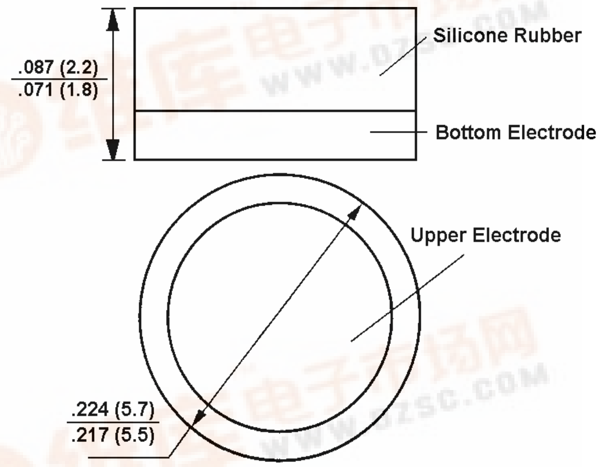
VOLTAGE: 100 TO 1000V CURRENT: 10A

FEATURES

- Low cost
- High surge capability
- Solderable electrode surfaces
- Ideal for hybrids

MECHANICAL DATA

- Polarity: Bottom or upper electrode denotes cathode according to the notice in package



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

RATINGS	SYMBOL	RC10S 01	RC10S 02	RC10S 04	RC10S 06	RC10S 08	RC10S 10	UNITS
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (T_a=55°C) (Note 2)	$I_{F(AV)}$	10						A
Peak Forward Surge Current (8.3ms single half sine-wave superimposed on rated load)	I_{FSM}	400						A
Maximum Instantaneous Forward Voltage (at rated forward current)	V_F	1.0						V
Maximum DC Reverse Current T_a=25°C	I_R	10						µA
(at rated DC blocking voltage) T_a=150°C		500						µA
Typical Junction Capacitance (Note 1)	C_J	300						pF
Typical Thermal Resistance (Note 3)	$R_\theta(ja)$	1						°C/W
Storage and Operation Junction Temperature	T_{STG}, T_J	-50 to +150						°C

Note:

1. Measured at 1 MHz and applied voltage of 4.0V_{dc}
2. When mounted to heat sink from body.
3. Thermal resistance from junction to ambient.

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