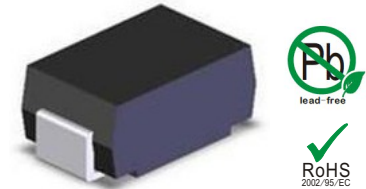


Features

- Low reverse leakage
- High forward surge capability
- High reliability
- High temperature soldering guaranteed:
260 °C/10seconds
- Lead and body according with RoHS standard
- Green compound



DO-214AC/SMA

Mechanical Data

- Case:DO-214AC Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Pure tin plated, lead free

Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

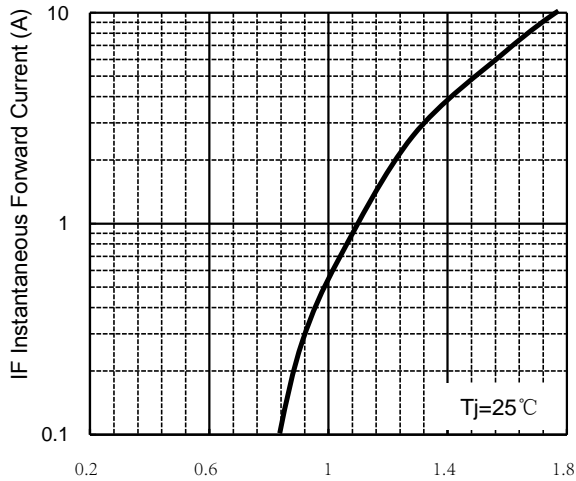
Parameter	Symbols	RS1A	RS1B	RS1D	RS1G	RS1J	RS1K	RS1M	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified current	$I_{F(AV)}$	1.0							A
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I_{FSM}	30							A
@ $I_F=1.0A$ Maximum forward voltage	V_F	1.30							V
@ V_{DC} Maximum reverse current	I_R	5							μA
$T_A= 25^\circ C$		100							
$I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$ MAX. reverse recovery time	T_{RR}	150			250	500		nS	
Typical thermal resistance (Note 1)	$R_{\theta JA}$	85							$^\circ C/W$
$V_R=4.0V, f=1MHz$ Type junction capacitance	C_J	10							pF
Operating junction and storage temperature rang	T_J, T_{STG}	-55 --- +150							$^\circ C$

Note:

1) Thermal resistance from junction to ambient , PCB mounted.

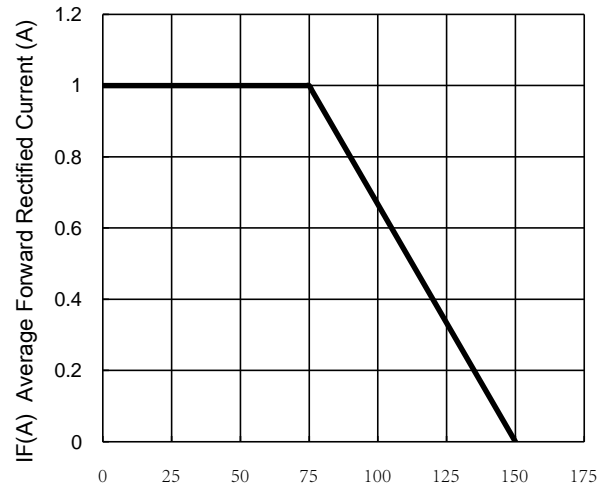
Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



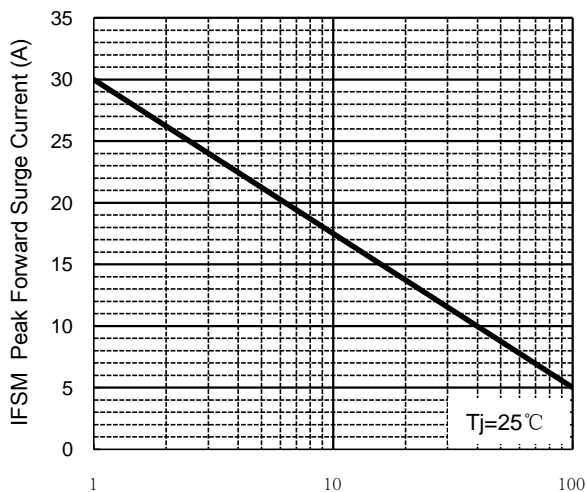
VF Instantaneous Forward Voltage (V)

FORWARD CURRENT DERATING CURVE



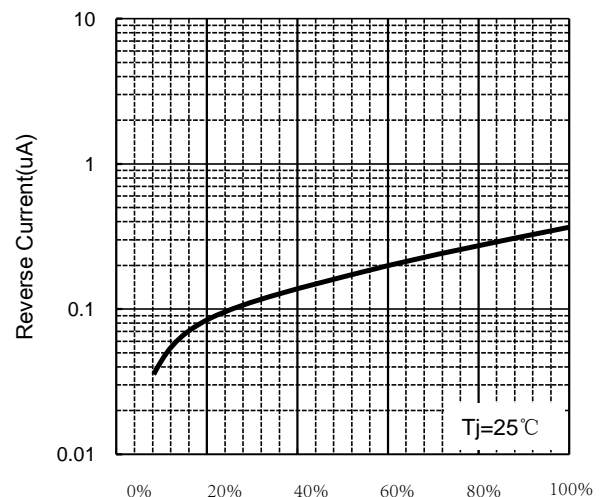
TL, Lead temperature (°C)

MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT



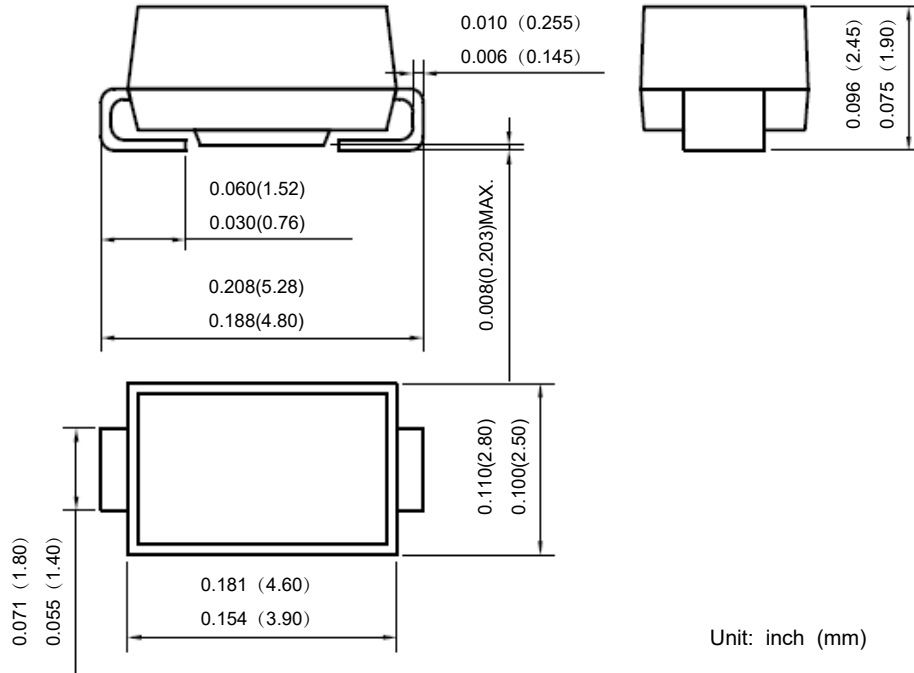
Number of Cycles at 60 Hz.

Typical Reverse Characteristics



Percent Of Rated Peak Reverse voltage %

Package Outline



Package Information

Qty: 5,000/Tape and reel