

3.0 A Surface Mount Schottky Barrier Rectifier
Rectifier Reverse Voltage 20,40,60V

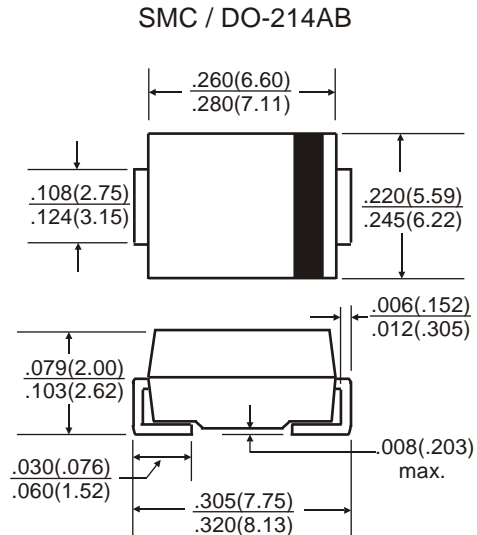


Features

- For surface mount application
- Extremely low VF
- Epitaxial construction
- Low power loss, high efficiency
- Low stored charge, majority carrier construction
- Plastic material has UL flammability classification 94V-0

Mechanical Data

Case: Molded plastic
 Terminals: Solder plated solderable per MIL-STD-202, Method 208
 Polarity: Cathode indicated with color band
 Weight: 0.21 grams (approx)



All dimensions inches and (millimeters)

Maximum Ratings & Thermal Characteristics

Rating at 25°C ambient temperature unless otherwise specified, Resistive or Inductive load, 60 Hz.
 For Capacitive load derate current by 20%.

Parameter	Symbol	SS32	SS34	SS36	unit
Maximum recurrent peak reverse voltage	VRRM	20	40	60	V
Maximum RMS voltage	VRMS	14	28	42	V
Maximum DC blocking voltage	VDC	20	40	60	V
Maximum average forward rectified current at TL=75°C (see fig.1)	IF(AV)	3.0			A
Peak forward surge current, single sine-wave superimposed on rated load (JEDEC Method)	IFSM	100			A
Typical thermal resistance(Note)	ReJA	17 / 55			°C/W
Typical junction capacitance	Cj	300			pF
Operating junction	TJ	-55 to + 125			°C
Storage temperature range	TSTG	-55 to + 150			°C

Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified. Resistive or Inductive load, 60Hz.
 For Capacitive load derate by 20 %.

Parameter	Symbol	SS32	SS34	SS36	Unit
Maximum instantaneous forward voltage drop at 3.0 A	VF	0.50		0.75	V
Maximum DC reverse current at rated DC blocking voltage per element	IR	0.5 20.0			mA

Rating and Characteristic Curves ($T_A=25^{\circ}\text{C}$ Unless otherwise noted) SS32 thru SS36

Fig. 1 Forward Current Derating Curve

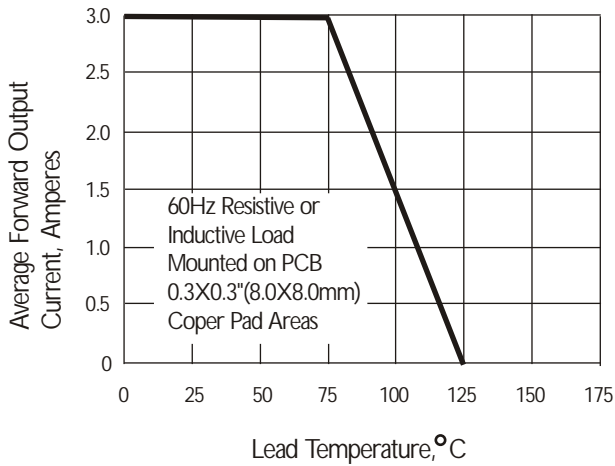


Fig. 2 Typical Instantaneous Forward Characteristics

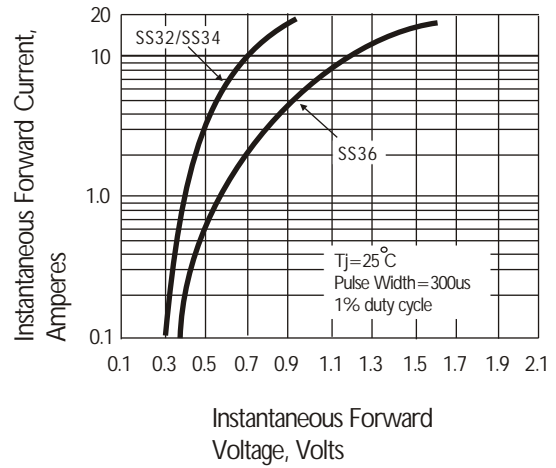


Fig. 3 Typical Reverse Characteristics

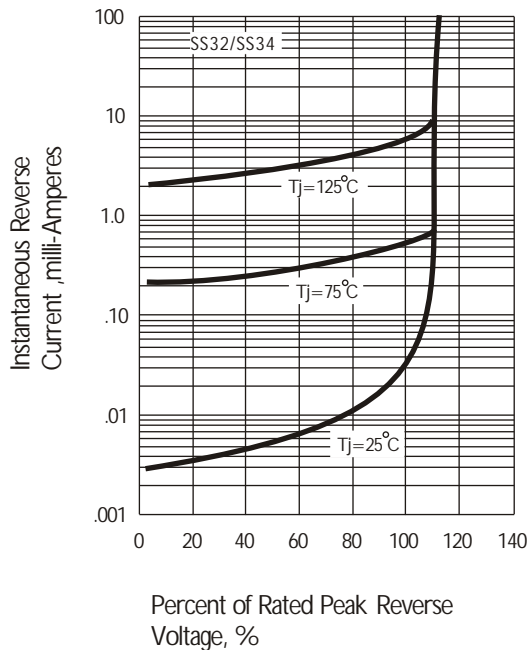


Fig. 4 Typical Reverse Characteristics

