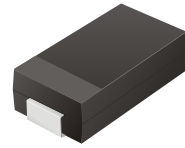


CURB201 Thru CURE207

Reverse Voltage: 50 - 1000 Volts
Forward Current: 2.0 Amp

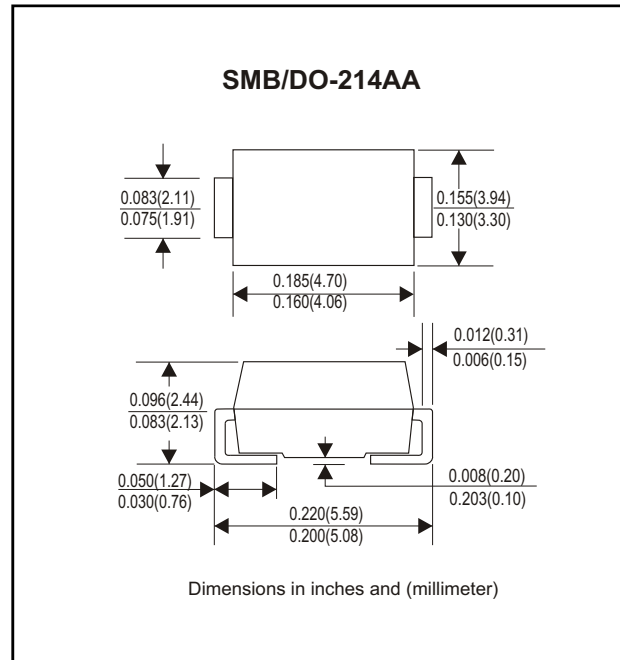


Features

- Ideal for surface mount applications
- Easy pick and place
- Plastic package has Underwriters Lab. flammability classification 94V-0
- Fast recovery time: 50 - 75 nS
- Low leakage current

Mechanical data

- Case: JEDEC DO-214AA molded plastic
- Terminals: solderable per MIL-STD-750, method 2026
- Polarity: Color band denotes cathode end
- Mounting position: Any
- Approx. Weight: 0.093 gram



Maximum Ratings and Electrical Characteristics

Parameter	Symbol	CURB 201	CURB 202	CURB 203	CURB 204	CURB 205	CURB 206	CURB 207	Unit
Max. Repetitive PeakReverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Max. DC BlockingVoltage	VDC	50	100	200	400	600	800	1000	V
Max. RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Peak Surge Forward Current 8.3ms single halfsine-wave superimposed on rateload (JEDEC method)	IFSM	60							A
Max. Average Forward Current	Io	2.0							A
Max. Instantaneous Forward Current at 2.0 A	VF	1.0				1.3	1.7		V
Reverse recovery time	Trr	50					75		nS
Max. DC Reverse Current at Rated DC Blocking Voltage Ta=25°C Ta=100°C	IR	5.0 100							uA
Max. Thermal Resistance (Note 1)	RθJL	20							°C/W
Operating Junction Temperature	Tj	-55 to +150							°C
Storage Temperature	TSTG	-55 to +150							°C

Note 1: Thermal resistance from junction to lead, 8.0x8.0mm square (0.13 mm thick) land areas.

Rating and Characteristic Curves (CURB201 Thru CURB207)

Fig. 1 - Reverse Characteristics

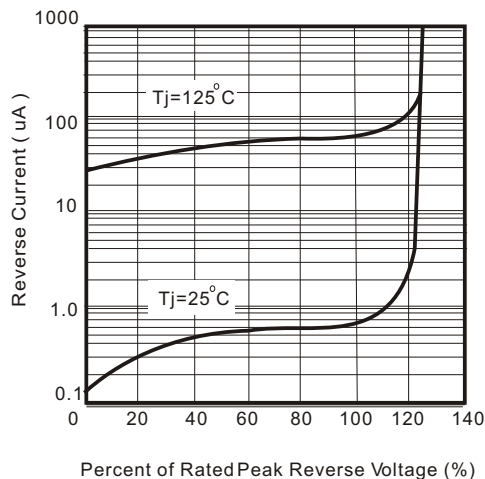


Fig.2 - Forward Characteristics

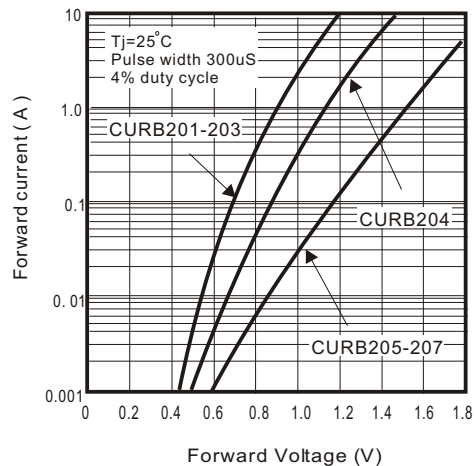


Fig. 3 - Junction Capacitance

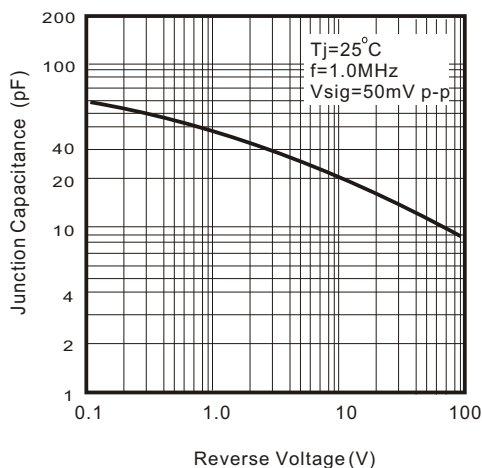


Fig. 5 - Non Repetitive Forward Surge Current

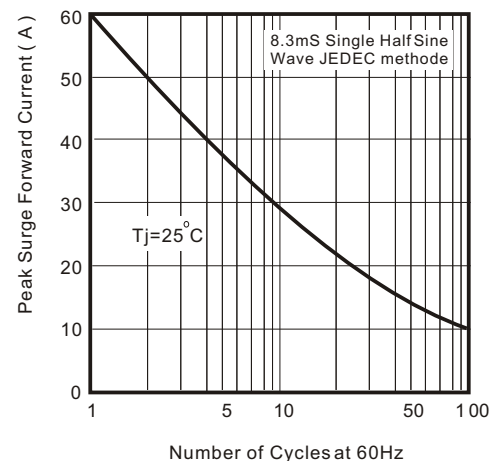


Fig. 5 - Test Circuit Diagram and Reverse Recovery Time Characteristics

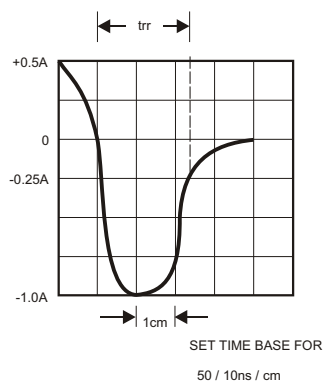
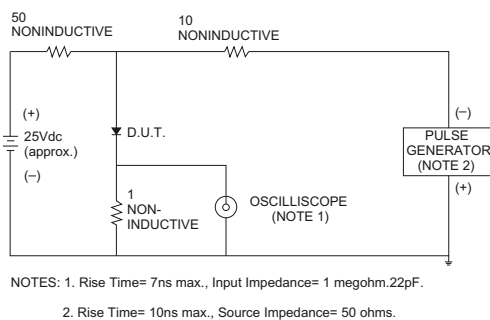


Fig. 6 - Current Derating Curve

