



B320A THRU B3100A

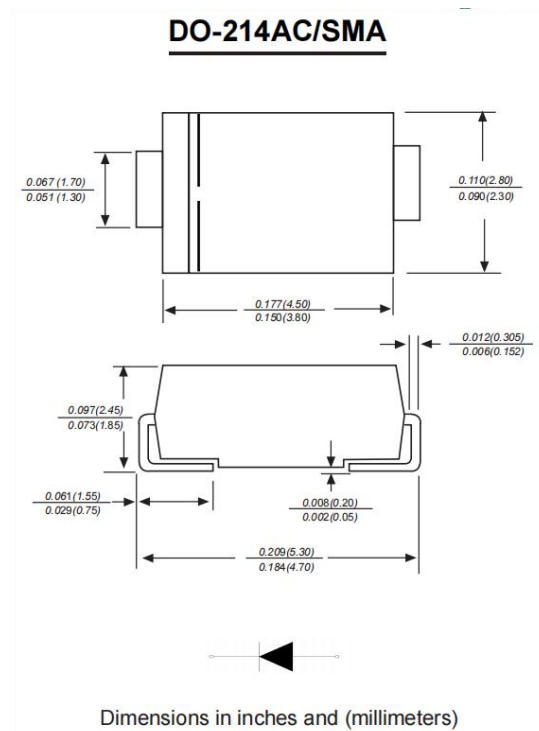
Reverse Voltage - 20 to 100 Volts Forward Current - 3.0 Ampere

■ FEATURES

- * For surface mounted applications
- * Ultra fast switching for high efficiency
- * Low reverse leakage
- * Built-in strain relief,ideal for automated placement
- * High forward surge current capability
- * High temperature soldering guaranteed
250 °C/10 seconds at terminals

■ MECHANICAL DATA

- * Case: SMA Molded plastic body
- * Polarity : Polarity symbol marking on body
- * Mounting Position:Any
- * Weight : 0.002 ounce, 0.07 grams



■ MAXIMUM RATINGS(Ta=25 °C Unless otherwise specified)

PARAMETER	SYMBOLS	MDD B320A	MDD B330A	MDD B340A	MDD B350A	MDD B360A	MDD B380A	MDD B3100A	UNITS
MARKING CODE									
Maximum repetitive peak reverse voltage	VRRM	20	30	40	50	60	80	100	V
Maximum RMS voltage	VRMS	14	21	28	35	42	56	70	V
Maximum DC blocking voltage	VDC	20	30	40	50	60	80	100	V
Maximum average forward rectified current at TL=55℃	I(AV)	3.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	100							A
Maximum instantaneous forward voltage at 3.0A	VF	0.55			0.70		0.85		V
Maximum DC reverse current at rated DC blocking voltage	IR	0.5							mA
		20					10		
Typical junction capacitance (NOTE 1)	CJ	500			300				pF
Typical thermal resistance (NOTE 2)	RθJA	55.0							℃/W
Operating junction and storage temperature range	TJ ,TSTG	-50 to +150							℃

Note: 1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas.



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■ TYPICAL CHARACTERISTICS

