

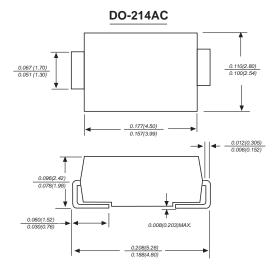
MBRA340T3G





SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 40 Volts Forward Current - 3.0 Amperes



Dimensions in inches and (millimeters)

FEATURES

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- 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: JEDEC DO-214AC molded plastic body Terminals: leads solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.005 ounce, 0.138 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

	SYMBOLS	A34	UNITS
Maximum repetitive peak reverse voltage	VRRM	40	VOLTS
Maximum RMS voltage	VRMS	28	VOLTS
Maximum DC blocking voltage	VDC	40	VOLTS
Maximum average forward rectified current	l(AV)	3.0	Amps
at TL(see fig.1)			
Peak forward surge current	Іғѕм	80.0	Amps
8.3ms single half sine-wave superimposed on			
rated load (JEDEC Method)			
Maximum instantaneous forward voltage at 3.0A	VF	0.55	Volts
Maximum DC reverse current Ta=25℃	lR	0.5	mA
at rated DC blocking voltage Ta=100℃		20	
Typical junction capacitance (NOTE 1)	CJ	500	pF
Typical thermal resistance (NOTE 2)	Reja	55.0	°C/W
Operating junction temperature range	TJ,	-65 to +150	°C
Storage temperature range	Тѕтс	-65 to +150	°C

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

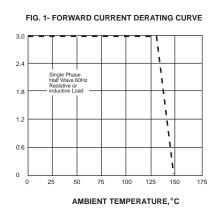
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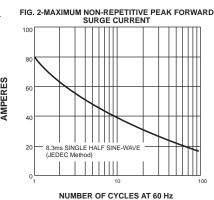


RATINGS AND CHARACTERISTIC CURVES

AVERAGE FORWARD RECTIFIED CURRENT, AMPERES









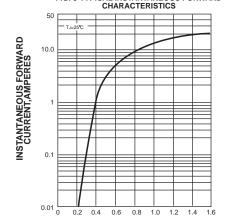
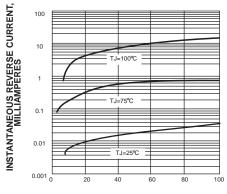


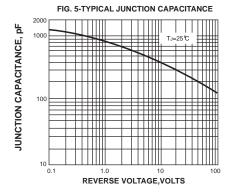
FIG. 4-TYPICAL REVERSE CHARACTERISTICS



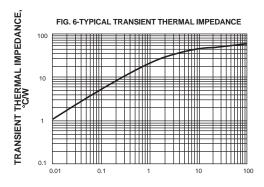
0.8 INSTANTANEOUS FORWARD VOLEAGE, VOLTS

1.0

0.4 0.6



PERCENT OF PEAK REVERSE VOLTAGE,%



t,PULSE DURATION,sec.