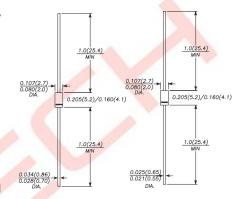
HIGH VOLTAGE RECTIFIER

Reverse Voltage - 2000 Volts

Forward Current - 1.0 Amperes

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
- High forward surge current capability
- ♦ High temperature soldering guaranteed:260°C/10 seconds,0.375"(9.5mm) lead length,5 lbs. (2.3kg) tension



MECHANICAL DATA

Case: JEDEC DO-41 molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.012 ounce, 0.33 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%.

Parameter	SYMBOLS	EM520AT	UNIT S
Maximum repetitive peak reverse voltage	Vrrm	2000	V
Maximum RMS voltage	VRMS	1400	V
Maximum DC blocking voltage	Vpc	2000	V
Maximum average forward rectified current	l(AV)	1.0	А
0.375"(9.5mm) lead length(see fig.1)	I(AV)	1.0	
Peak forward surge current		30	А
8.3ms single half sine-wave superimposed on	IFSM		
rated load (JEDEC Method)			
Maximum instantaneous forward voltage at 0.5/0.2A	V _F	1.1	V
Maximum DC reverse current T _A =25°C		5.0	μА
at rated DC blocking voltage T₄=100℃	lR	50	μΑ
Typical junction capacitance (NOTE 1)	Cı	15.0	pF
Typical thermal resistance (NOTE 2)	R ₀ Ja	50.0	°°C/W
Operating junction and storage temperature range	Тл,Твтв	-55 to +175	°c

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

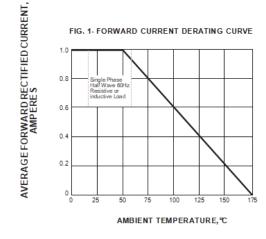
2.Thermal resistance from junction to ambient at 0.375"(9.5mm)lead length, P.C.B. mounted

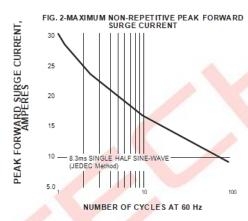


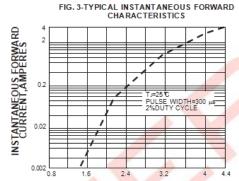
AGERTECH MICROELECTRONICS

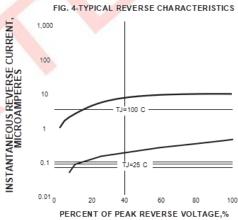
Dated:12/2019 Rev: 1.0

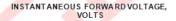
RATINGS AND CHARACTERISTIC CURVES

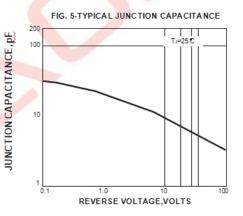


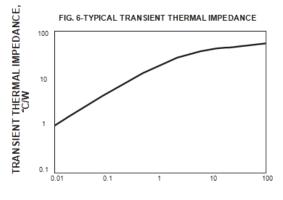












t,PULSE DURATION, sec.



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