MUR405EG thru MUR4100EG

ULTRA FAST GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - **50 to 1000** Volts
FORWARD CURRENT - **4.0** Amperes

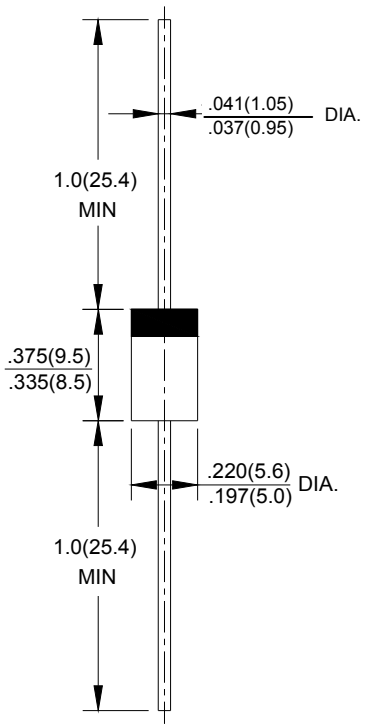
FEATURES

- Low cost
- Diffused junction
- Ultra fast switching for high efficiency
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0

FEATURES

- Case: JEDEC DO-201AE molded plastic
- Weight: 1.04 grams
- Polarity: Color band denotes cathode end
- Mounting Position: Any

DO-201AE



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERSITICS

Ratings at 25℃ ambient temperature unless otherwise specified.

Single phase half-wave 60Hz,resistive or inductive load,

for capacitive load current derate by 20%.

CHARACTERISTICS	SYMBOL	MUR 405EG	MUR 410EG	MUR 415EG	MUR 420EG	MUR 440EG	MUR 460EG	MUR 480EG	MUR 4100EG	UNIT
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	150	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	105	140	280	420	550	700	V
Maximum DC blocking voltage	V_{DC}	50	100	150	200	400	600	800	1000	V
Maximum average forward rectified current 0.375"(9.5mm) lead length at T_A=55℃	$I_{(AV)}$	4.0								A
Peak forward surge current 8.3ms single half sinewave superimposed on rated load (JEDEC Method)	I_{FSM}	150								A
Maximum instantaneous forward voltage at 4.0A	V_F	1			1.28			1.85		V
Maximum DC reverse current @T_J=25℃ at rated DC bolcking voltage @T_J=100℃	I_R	10 150								μA
Maximum Reverse Recovery Time(Note 1)	T_{RR}	45				50		75		
Operating junction capacitance	T_J	-55 to + 150								℃
Storage temperature range	T_{STG}	-55 to + 150								℃

Note: Measured with IF=0.5A，IR=1A，IRR=0.25A

RATING AND CHARACTERTIC CURVES
MUR405EG thru MUR4100EG

FIG. 1 – FORWARD CURRENT DERATING CURVE

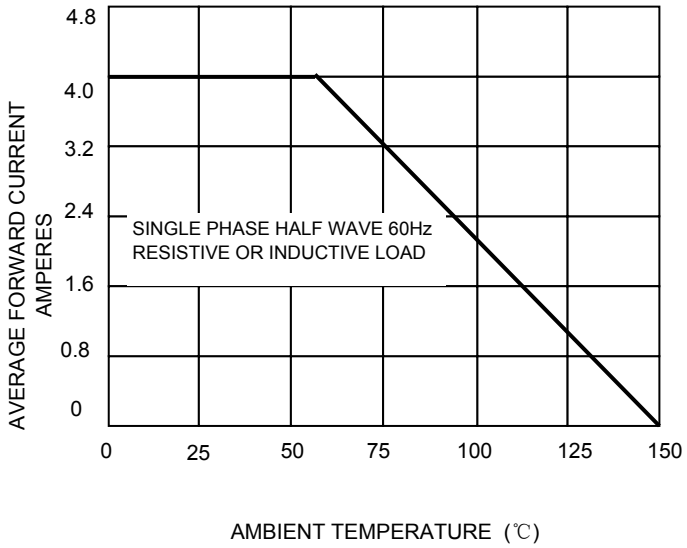


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

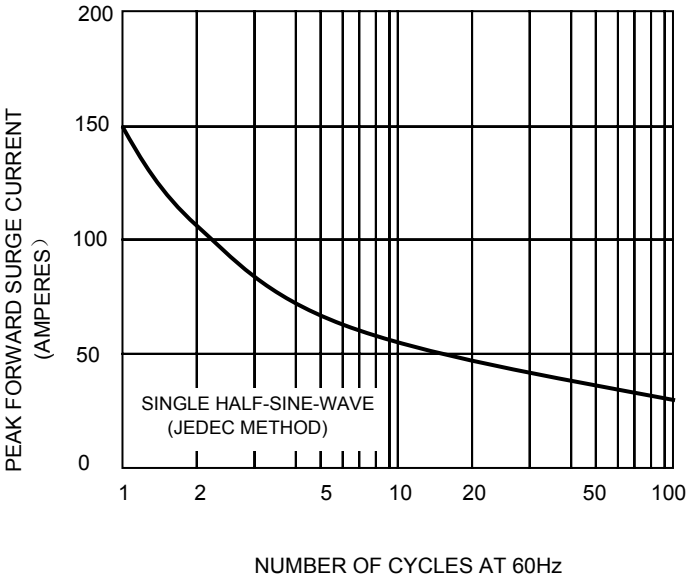


FIG.3-TYPICAL FORWARD CHARACTERISTICS

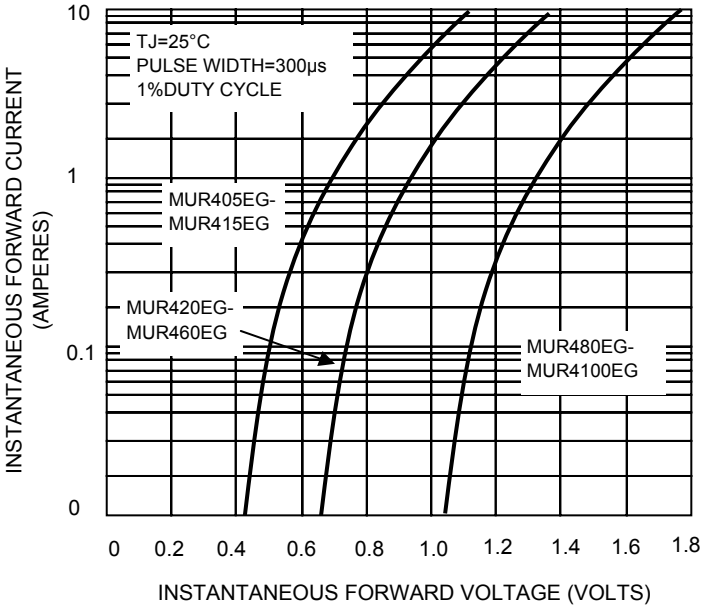
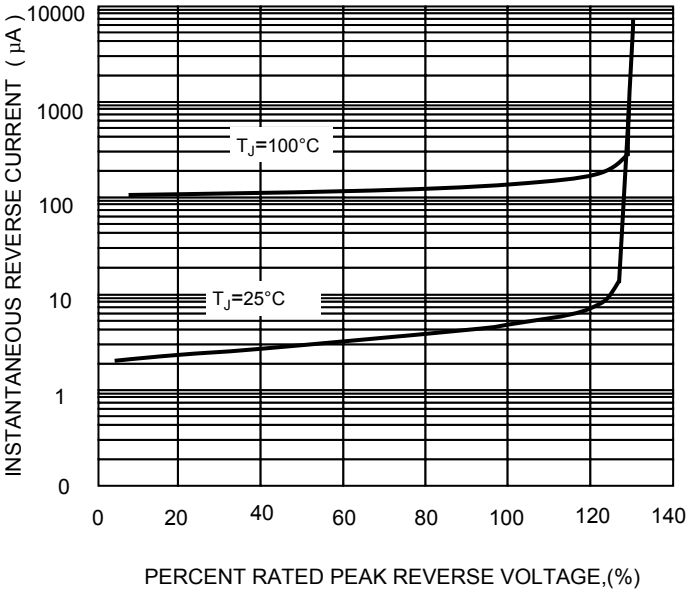


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

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