

SURFACE MOUNT RECTIFIER

VOLTAGE RANGE: 600 V
CURRENT: 2.0 A

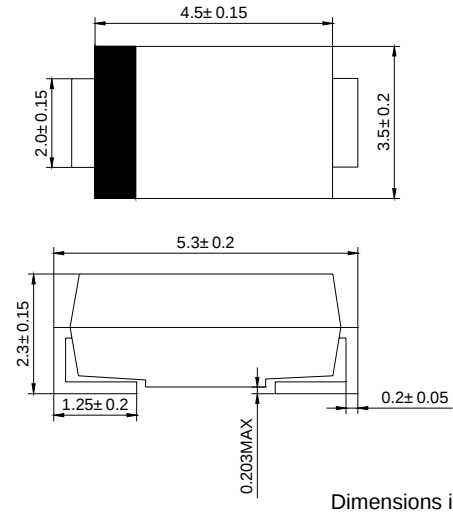
FEATURES

- ◇ Low cost
- ◇ Low leakage
- ◇ Low forward voltage drop
- ◇ High current capability
- ◇ Easily cleaned with Alcohol, Isopropanol and similar solvents
- ◇ The plastic material carries U/L recognition 94V-0

MECHANICAL DATA

- ◇ Case: JEDEC DO-214AA, molded plastic
- ◇ Terminals: Solderable per MIL-STD-202, Method 208
- ◇ Polarity: Color band denotes cathode
- ◇ Weight: 0.003 ounces, 0.093 grams
- ◇ Mounting position: Any

DO-214AA(SMB)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

		MURS260	UNITS
Maximum recurrent peak reverse voltage	V_{RRM}	600	V
Maximum RMS voltage	V_{RMS}	600	V
DC blocking voltage	V_R	600	V
Average rectified forward current @ $T_L=125^\circ\text{C}$	$I_{F(AV)}$	2.0	A
Non-repetitive peak surge current (Surge applied at rated load conditions halfwave, single phase, 60Hz)	I_{FSM}	35	A
Maximum instantaneous forward voltage at 2.0 A (Note2)	V_F	1.45	V
Maximum reverse current @ $T_A=25^\circ\text{C}$ at rated DC blocking voltage @ $T_A=125^\circ\text{C}$	I_R	5.0 150	μA
Maximum reverse recovery time (Note1)	t_{rr}	50	ns
Thermal resistance, junction-to-lead	$R_{\theta JL}$	13.0	$^\circ\text{C/W}$
Operating junction temperature range	T_J	- 65 ---- + 175	$^\circ\text{C}$
Storage temperature range	T_{STG}	- 65 ---- + 175	$^\circ\text{C}$

NOTE: 1. Measured with $I_F=0.5\text{A}$, $I_R=1\text{A}$, $I_{rr}=0.25\text{A}$.

2. Pulse Test: Pulse Width = 300 μs , Duty Cycle $\leq 2.0\%$

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FIG.1 – TYPICAL FORWARD CHARACTERISTIC

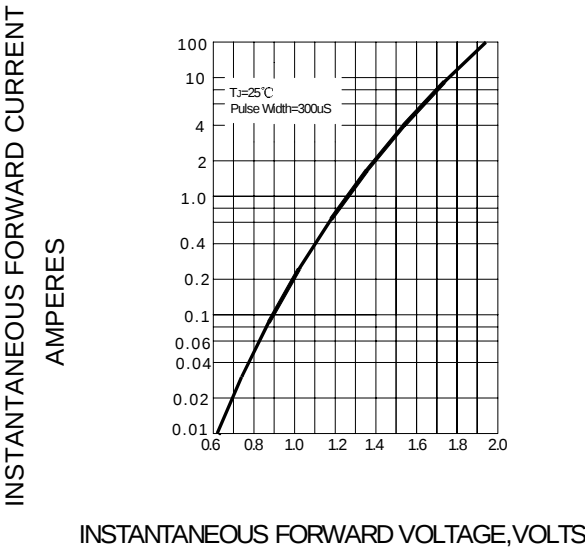


FIG.2 -- TYPICAL REVERSE LEAKAGE CHARACTERISTICS

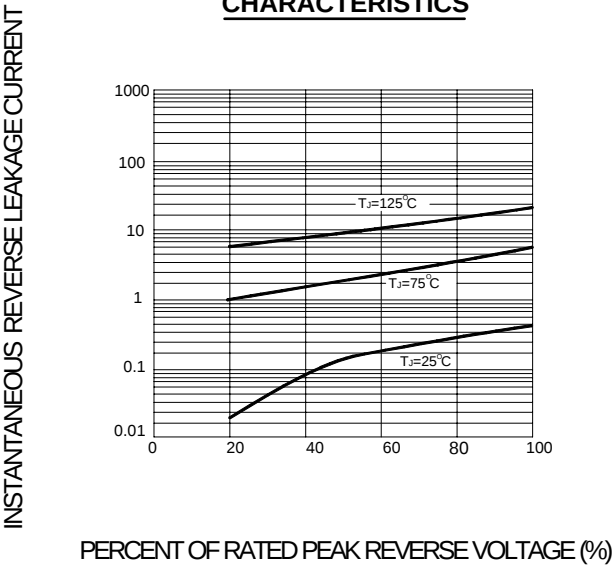


FIG.3 – PEAK FORWARD SURGE CURRENT

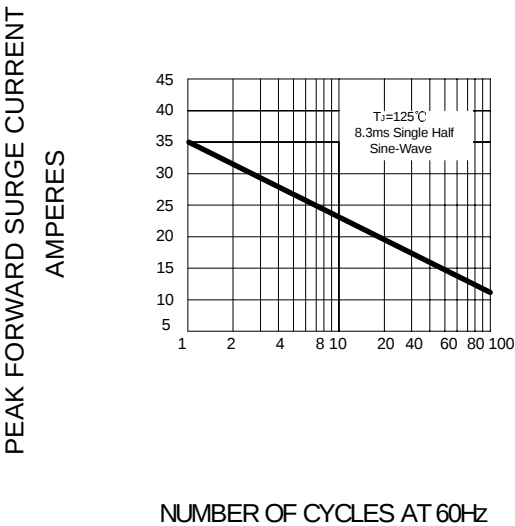


FIG.4 – FORWARD DERATING CURVE

