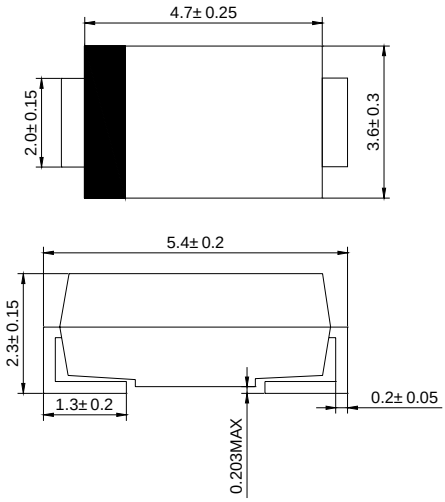
MUR260

Surface Mount Rectifiers

VOLTAGE RANGE: 600 V
CURRENT: 2.0 A

DO-214AA(SMB)



Dimensions in millimeters

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
- ◇ Polarity: Color band denotes cathode
- ◇ Weight: 0.003 ounces,0.093 grams
- ◇ Mounting position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ 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℃	$I_{F(AV)}$	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 @T_J=25℃ voltage at 2.0 A (Note2)	V_F	1.45	V
Maximum reverse current @T_A=25℃ at rated DC blocking voltage @T_A=125℃	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	℃/W
Operating junction temperature range	T_J	- 65 ---- + 175	℃
Storage temperature range	T_{STG}	- 65 ---- + 175	℃

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

2. Pulse Test: Pulse Width = 300μs,Duty Cycle≤2.0%

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Ratings AND Charactieristic Curves

FIG.1 – TYPICAL FORWARD CHARACTERISTIC

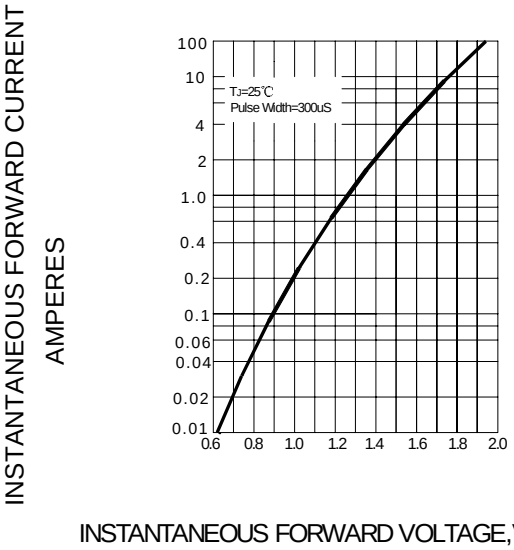

FIG.2 -- TYPICAL REVERSE LEAKAGE CHARACTERISTICS

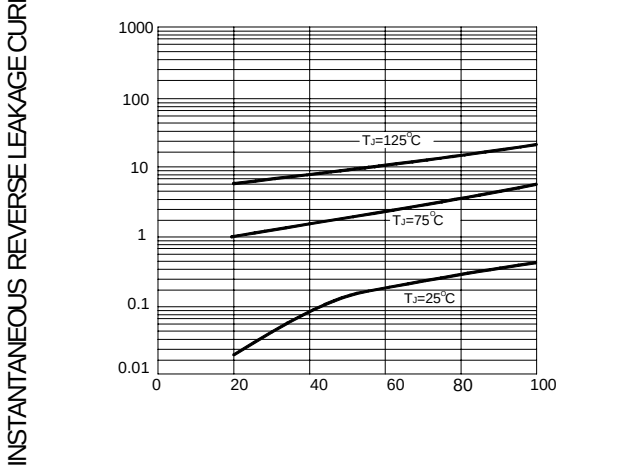

FIG.3 – PEAK FORWARD SURGE CURRENT

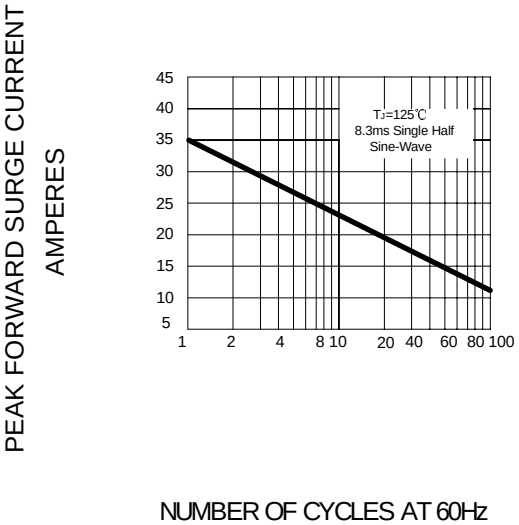

FIG.4 -- FORWARD DERATING CURVE