MURS340-MURS360

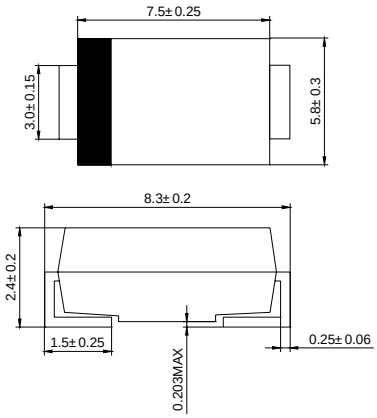
Surface Mount Rectifiers

VOLTAGE RANGE: 400 --- 600 V
CURRENT: 3.0 A

DO-214AB(SMC)

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



Dimensions in millimeters

Mechanical Data

- Case:JEDEC DO-214AB,molded plastic
- Polarity: Color band denotes cathode
- Weight: 0.007 ounces, 0.21 gram
- 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%.

		MURS340	MURS360	UNITS
Maximum recurrent peak reverse voltage	V_{RRM}	400	600	V
Maximum RMS voltage	V_{RMS}	280	420	V
Maximum DC blocking voltage	V_{DC}	400	600	V
Maximum average forw ard rectified current @T_L=130 ℃	$I_{F(AV)}$	3.0		A
Peak forw ard surge current 8.3ms single half-sine-w ave superimposed on rated load @T_J=125℃	I_{FSM}	125		A
Typical reverse recovery time (Note1)	t_{rr}	50		ns
Maximum reverse current @T_J=25 ℃ at rated DC blocking voltage @T_J=150℃	I_R	10 250		μA
Maximum instantaneous forw ard voltage at 3.0 A	V_F	1.25		V
Typical thermal resistance (Note2)	$R_{\theta JL}$	11		℃/W
Operating junction temperature range	T_J	- 55 ---- + 150		℃
Storage temperature range	T_{STG}	- 55 ---- + 150		℃

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

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Ratings AND Charactieristic Curves

FIG.1 -- TYPICAL FORWARD CHARACTERISTIC

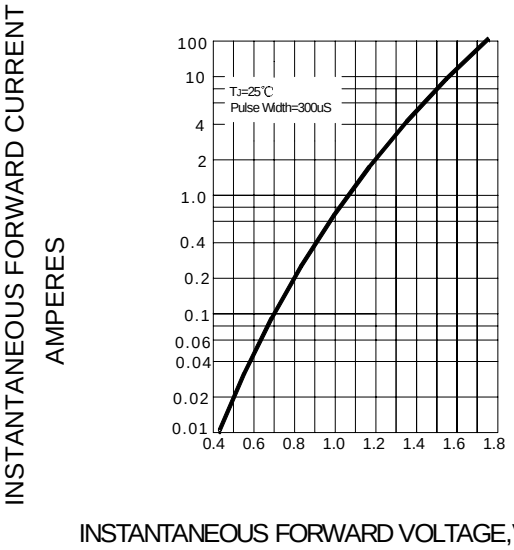

FIG.2 -- TYPICAL REVERSE LEAKAGE CHARACTERISTICS

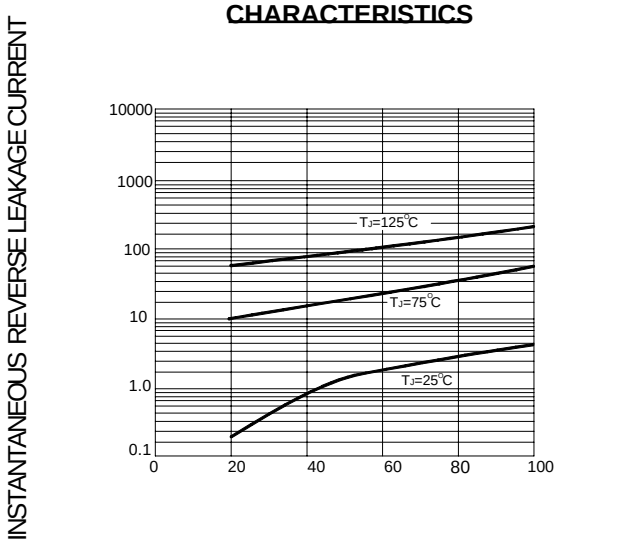

FIG.3 -- PEAK FORWARD SURGE CURRENT

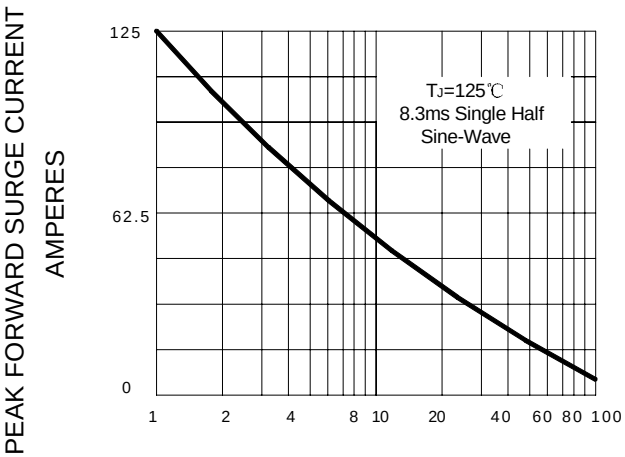

FIG.4 -- FORWARD DERATING CURVE