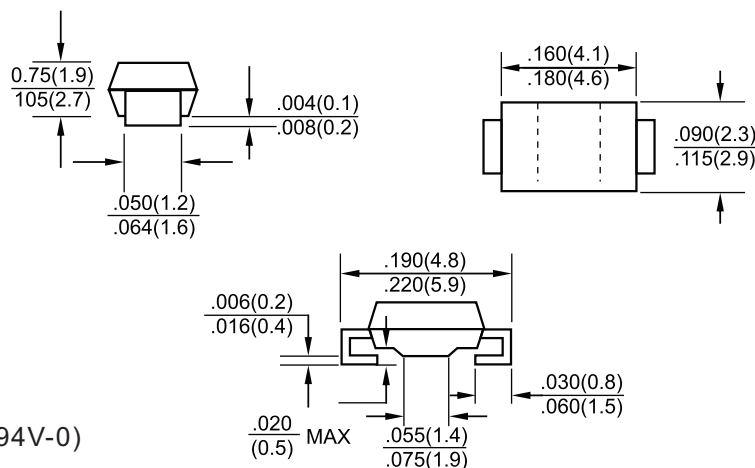


FEATURES

- Low Cost
- Low leakage
- Low forward voltage drop
- High current capability
- High temperature soldering:
260°C / 10 seconds at terminals

MECHANICAL DATA

- Molded plastic body JEDEC DO-214AA (UL 94V-0)
- Polarity: Color band denotes cathode
- Weight: 0.064 gram



SMA (DO-214AC)

Dimensions in inches and (millimeters)

MAXIMUM RATINGS & ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.
 Single phase, half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%

Parameter	Symbol	MURS120	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	200	V
Maximum RMS Voltage	V _{RMS}	140	V
Maximum DC Blocking Voltage	V _{DC}	200	V
Maximum Average Forward Rectified Current @ T _L = 150°C @ T _L = 145°C	I _{F (AV)}	1.0 2.0	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method) @ T _J = 125°C	I _{FSM}	40	A
Maximum Instantaneous Forward Voltage @ 1.0A @ T _J = 25°C @ T _J = 150°C	V _F	0.875 0.71	V
Maximum DC Reverse Current @ T _A = 25°C At rated DC blocking voltage @ T _A = 150°C	I _R	2.0 50.0	μA
Reverse Recovery Time (Note 1)	T _{RR}	25	nS
Typical Thermal Resistance (Note 2)	R _{θJL}	13	°C / W
Operating Temperature Range	T _J	-65 to +175	°C
Storage Temperature Range	T _{STG}	-65 to +175	°C

RATING & CHARACTERISTIC CURVES

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

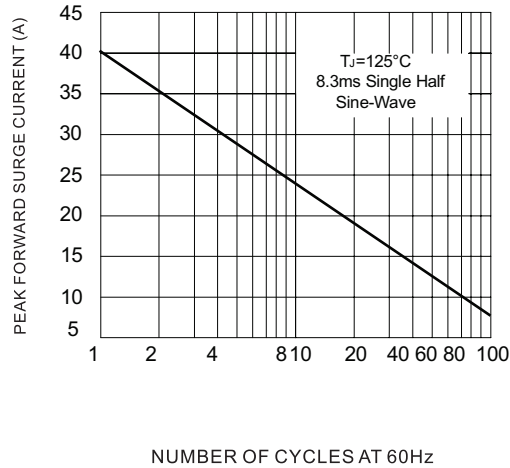


FIG.2-MAXIMUM FORWARD CURRENT DERATING

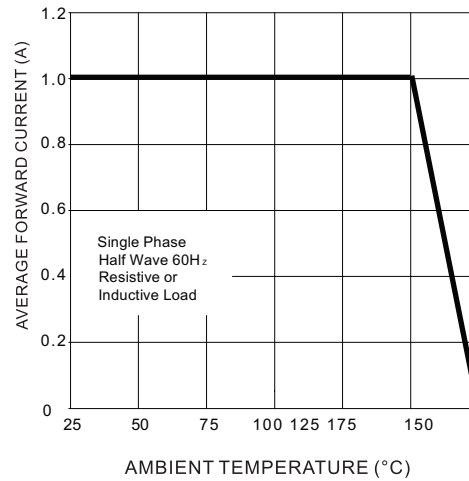


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

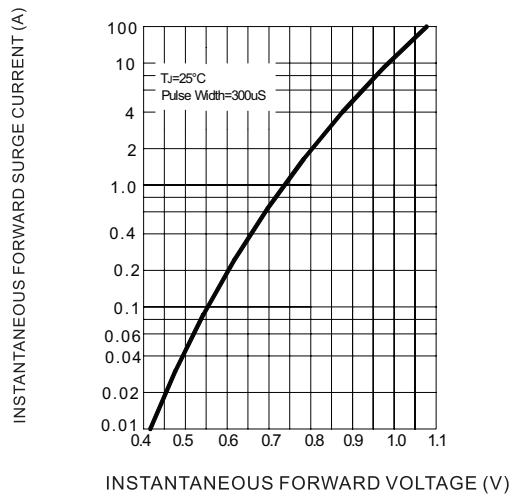


FIG.4-TYPICAL REVERSE CHARACTERISTICS

