

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

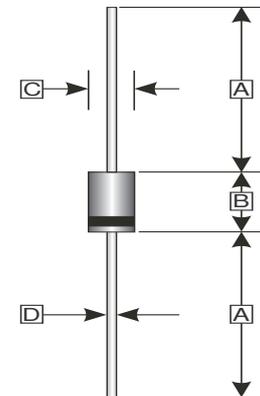
FEATURES

- High current capability
- High surge current capability
- Low reverse current

MECHANICAL DATA

- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Terminals: Lead free Plating (Tin Finish)
Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band

DO-27(DO-201)



REF.	Millimeter	
	Min.	Max.
A	25.4 (TYP)	
B	7.20	9.53
C	4.80	5.60
D	1.10	1.32

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Rating	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	150	V
Working Peak Reverse Voltage	V_{RSM}	105	V
Maximum DC Blocking Voltage	V_{DC}	150	V
Maximum Average Forward Rectified Current	I_F	3.0	A
Maximum Instantaneous Forward Voltage @ $I_F=3A$	V_F	0.79	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	$T_A=25^\circ C$	0.2
		$T_A=100^\circ C$	50
Peak Forward Surge Current, @8.3ms single half-wave Superimposed on rated load (JEDEC method)	I_{FSM}	80	A
Typical Junction Capacitance ¹	C_J	280	pF
Typical Thermal Resistance	$R_{\theta JC}$	20	°C/W
Operating and Storage Temperature Range	T_J, T_{STG}	-50~150	°C

Note:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

RATINGS AND CHARACTERISTIC CURVES

FIG. 1-Typical Forward Current Derating Curve

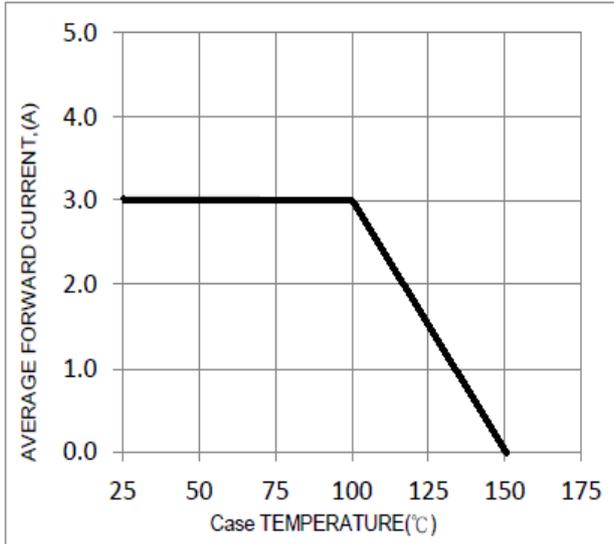


FIG. 2-Typical Forward Characteristics

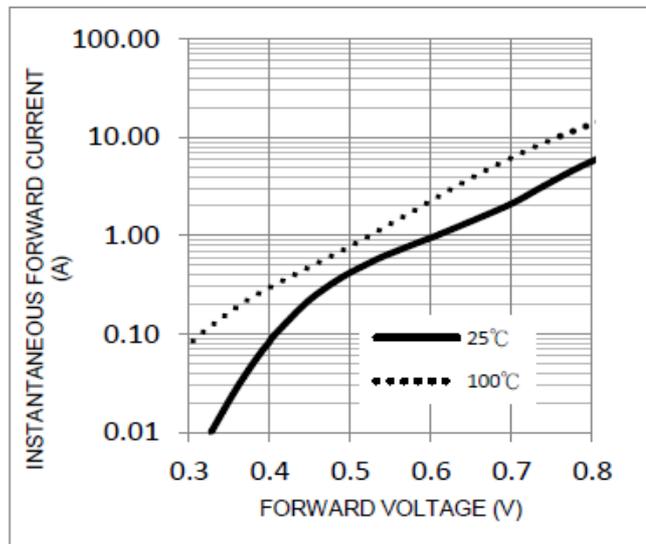


FIG. 3-Maximum Non-Repetitive Forward Surge Current

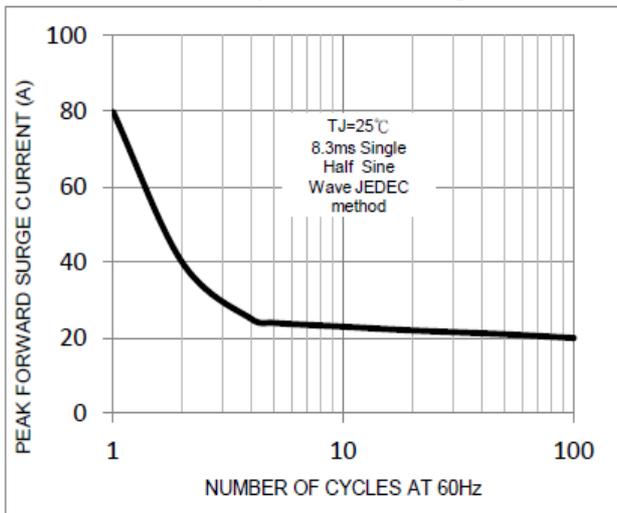


FIG. 4-Typical Reverse Characteristics

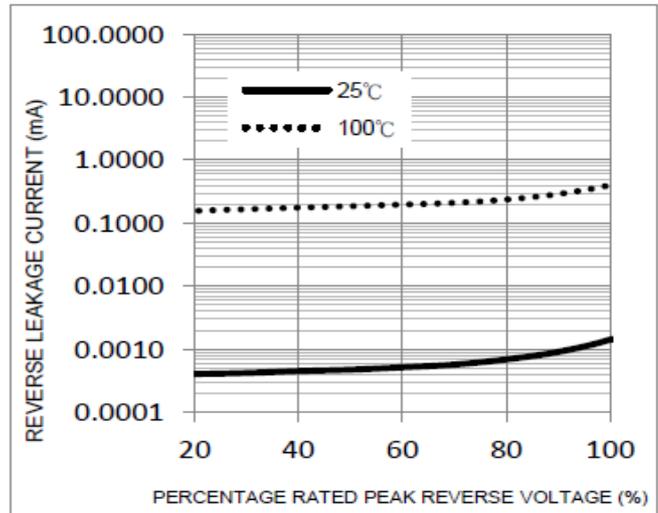


FIG. 5-Typical Junction Capacitance

