
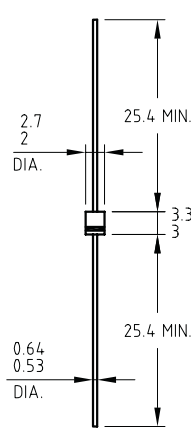


1.0 Amp. Glass Passivated Fast Recovery Rectifiers

 RoHS COMPLIANCE	DO-41 Mini	Voltage 200 V to 1000 V	Current 1.0 A
		<ul style="list-style-type: none"> Glass passivated chip junction. High efficiency, Low VF High current capability High reliability High surge current capability Low power loss 	
Dimensions in mm.		MECHANICAL DATA <ul style="list-style-type: none"> Cases: Molded plastic Epoxy: UL 94V0 rate flame retardant Lead: Pure tin plated, lead free, solderable per MIL-STD-202, Method 208 guaranteed Polarity: Color band denotes cathode end High temperature soldering guaranteed: 260 °C/10 seconds/9.5mm lead lengths at 2.3kg tension Mounting position: Any Weight: 0.20 gram 	

Maximum Ratings and Electrical Characteristics at 25 °C

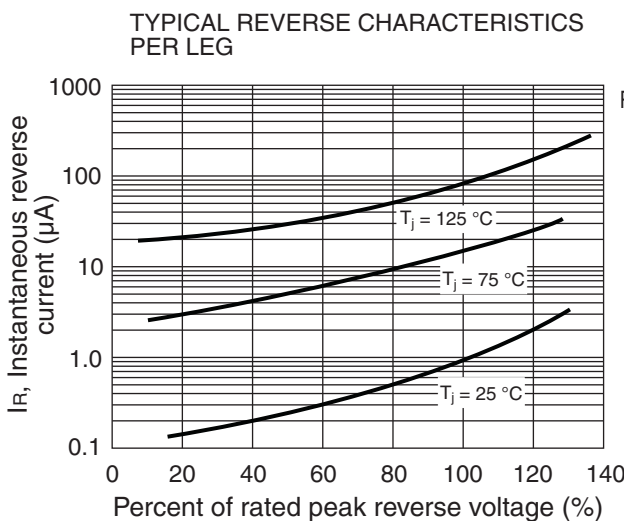
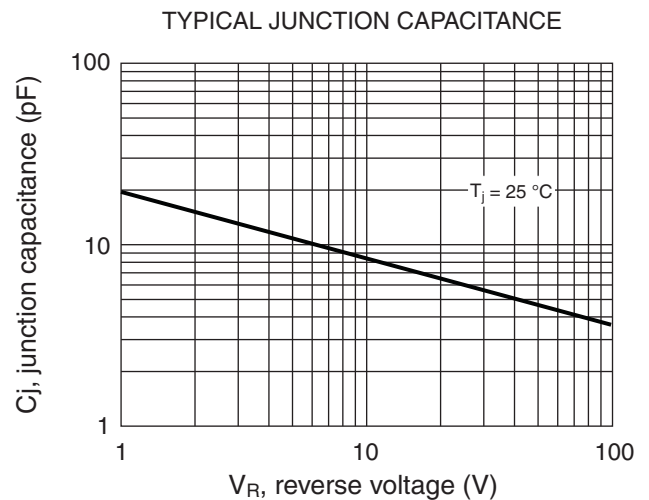
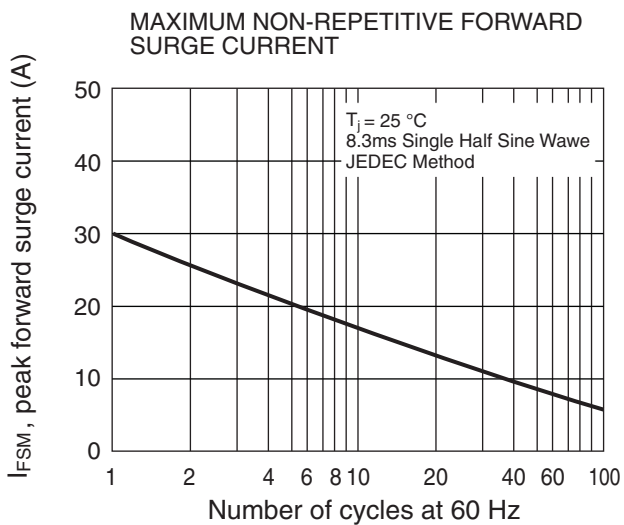
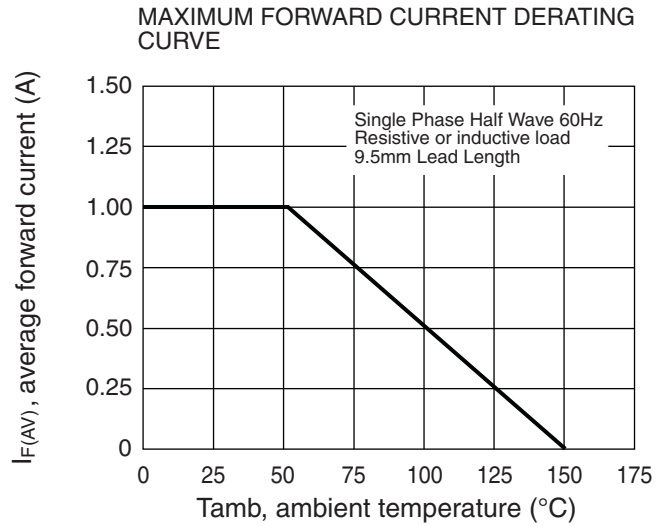
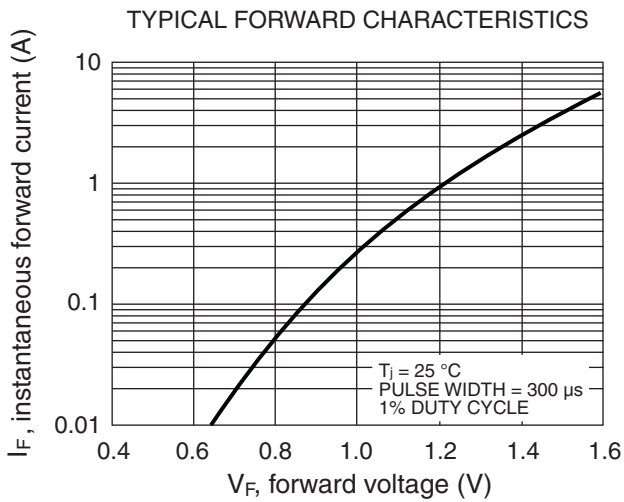
		F1T 3G	F1T 4G	F1T 5G	F1T 6G	F1T 7G
V_{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	200	400	600	800	1000
V_{RMS}	Maximum RMS Voltage (V)	140	280	420	560	700
V_{DC}	Maximum DC Blocking Voltage (V)	200	400	600	800	1000
$I_{F(AV)}$	Maximum Average Forward Rectified Current 9.5mm Lead Length @ $T_A = 55\text{ °C}$	1.0 A				
I_{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	30 A				
T_{rr}	Maximum Reverse Recovery Time from $I_F = 0.5A; I_R = 1A; I_{RR} = 0.25A$	150 nS	250 nS		500 nS	
C_j	Typical Junction Capacitance at 1 MHz and reverse voltage of $4V_{DC}$	15 pF				
T_j	Operating Temperature Range	-65 to +150 °C				
T_{stg}	Storage Temperature Range	-65 to +150 °C				

Electrical Characteristics at Tamb = 25 °C

V_F	Maximum Instantaneous Forward Voltage @ = 1.0 A	1.3 V
I_R	Maximum DC Reverse Current @ $T_a = 25\text{ °C}$ at Rated DC Blocking Voltage @ $T_a = 125\text{ °C}$	5 μ A 150 μ A
$R_{th(j-a)}$	Typical Thermal Resistance (See note)	90 °C/W

NOTE: Mounted on Cu-Pad size 5mm x 5mm on P.C.B.

Rating And Characteristic Curves



REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

