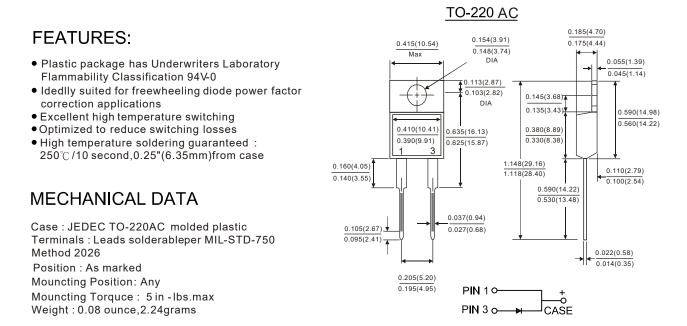


SUPER FAST GLASS PASSIVATED RECTIFIERS



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Characteristic	Symbol	SF 16005	SF 1601	SF 1602	SF 1603	SF 1604	SF 1606	Units
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	300	400	600	Volts
Maximum RMS voltage	V _{RMS}	35	70	140	210	280	420	Volts
Maximum DC blocking voltage	V _{DC}	50	100	200	300	400	600	Volts
Maximum average forward rectified current at Tc=100 °C(Per Pak)	I _(AV)	16.0						Amps
Peak forwardsurge current8.3ms singlehalf sine-wave superimposed on rated load (JEDEC Method)(Per leg)	I _{FSM}	200						Amps
Maximum instantaneous forward voltage (Per leg) IF=16A	V _F	1.0 1.30			1.70	Volts		
$\begin{array}{llllllllllllllllllllllllllllllllllll$	I _R	10.0 500.0						μA
Typical reverserecovery time (NOTE 1) (Per leg)	T _{RR}	35						nS
Typical junction capacition (NOTE 2) (Per leg)	CJ	175 145					P _F	
Operating temperature range	TJ	-55to+150						°C
Storage temperature range	T _{Stg}	-55to+150						°C

NOTES

(1)Reverse Recovery Test CONDITION : I_F=0.5A, I_R=1.0A, I_{RR}=0.25A

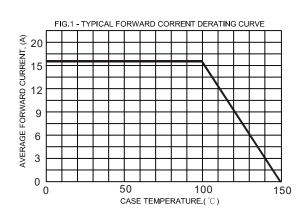
(2)Measured at 1MHZ and reverse Voltage of 4.0V

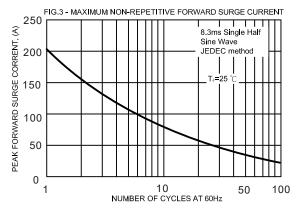
(3)Marking : <u>SF16005CT</u> = <u>SF16005</u> (Without Marking "CT")

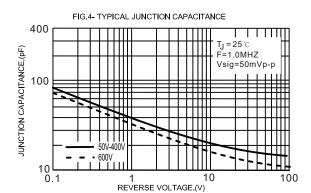
Symbol Marking

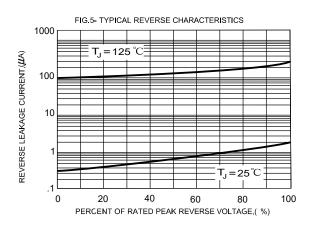


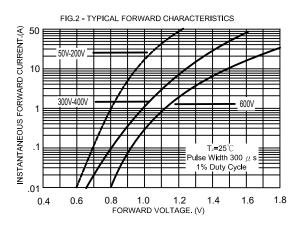
RATINGS AND CHARACTERISTIC CURVES

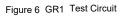


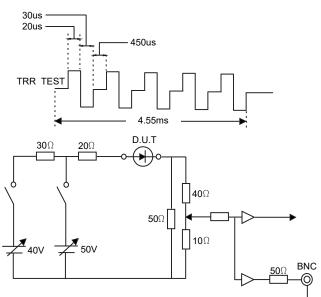




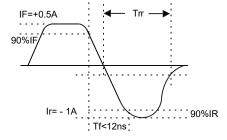








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