1N5811

SINTERED GLASS JUNCTION FAST AVALANCHE RECTIFIER

VOLTAGE: 150V CURRENT: 3.0A



FEATURE

Glass passivated Hermetically sealed package Low reverse current Soft recovery characteristics

MECHANICAL DATA

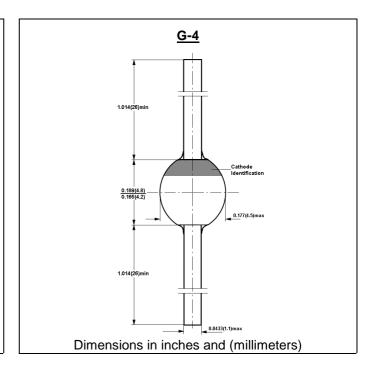
Case: G-4 sintered glass case

Terminal: Plated axial leads solderable per

MIL-STD 202E, method 208C

Polarity: color band denotes cathode end

Mounting position: any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

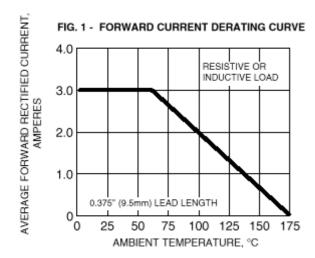
	SYMBOL	1N5811	units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	150	V
Maximum RMS Voltage	V _{RMS}	105	V
Maximum DC blocking Voltage	V_{DC}	150	V
Maximum Reverse Breakdown Voltage I _R =100μA	V_{BR}	160	V
Maximum Average Forward Rectified Current 3/8"lead length at Ta=55℃	I _{FAV}	3.0	А
Peak Forward Surge Current 8.3ms single half sine- wave superimposed on rated load	I _{FSM}	125	А
Maximum Forward Voltage at Forward Current 4A and 25℃	V _F	0.875	V
	I _R	5.0 150.0	μΑ
Maximum Reverse Recovery Time (Note 1)	Trr	40	nS
Typical Thermal Resistance	Rth(jl)	35.5	°C ∕W
Storage and Operating Junction Temperature	Tstg, Tj	-65 to +175	°C

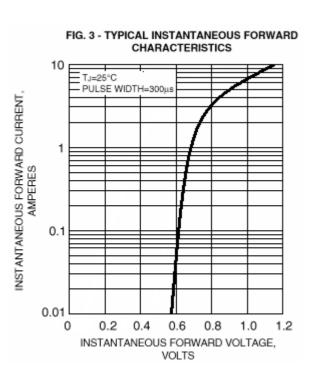
Note:

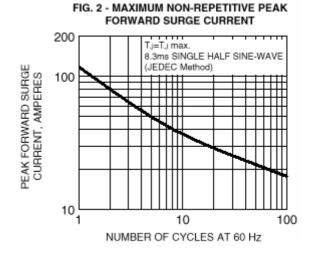
1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A

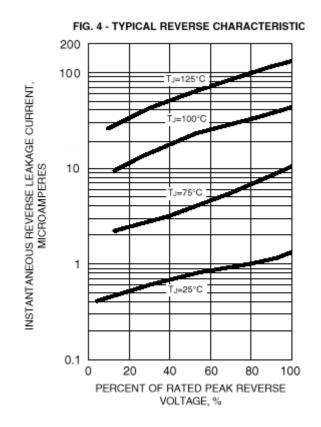
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RATINGS AND CHARACTERISTIC CURVES 1N5811









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