Standard Silicon Rectifiers

Reverse Voltage - 100 to 1000 V
Forward Current 1.5 A

FEATURES

- For surface mounted applications
- Low profile package
- Open Junction chip
- High forward surge current capability
- Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

- Case: DO-15
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.33g / 0.0116oz

Maximum Ratings and Electrical characteristics

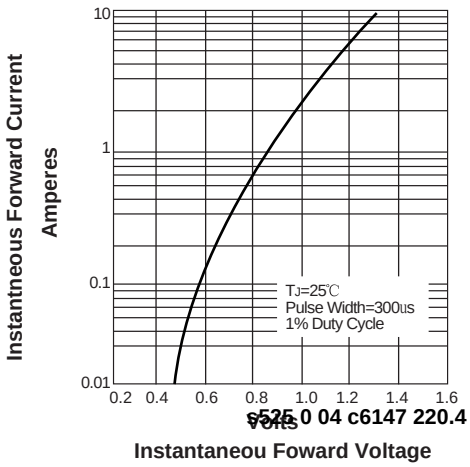
Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	1N5392	1N5393	1N5395	1N5397	1N5398	1N5399	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at T_c = 100 °C	$I_{F(AV)}$	1.5						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	50.0						A
Maximum Instantaneous Forward Voltage at 1.5A	V_F	1.35						V
Maximum [illegible]								

1 **Measured at 1 MHz and applied reverse voltage of 4 V D.C**

1.5

FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS



Instantaneou Foward Voltage

FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



s525 0 04 c6147 220.4 c6147 220.2.3ray c272.153 -8.522 0 TD[(s 25 0 0-3101226.2 c28.52T)-044.5(=)ra78(125)-000(C

Percent Of Rated Peak Reverse Voltage(%)

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