

S4J

PRV : 600 Volts lo : 0.4 Ampere

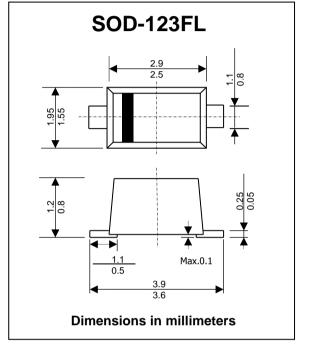
FEATURES :

- * Easy pick and place
- * For surface mounted applications
- * Low profile package
- * Superfast recoverytimes for high efficiency
- * Pb / RoHS Free

MECHANICAL DATA:

- * Case: JEDEC SOD-123FL, molded plastic over passivated chip
- * Terminals: Solder Plated, solderable per MIL-STD-750, Method 2026
- * Polarity: Color band denotes cathode end
- * Mounting position : Any
- * Weight: 0.006 ounces, 0.02 gram

SURFACE MOUNT SUPER FAST RECTIFIERS



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%.

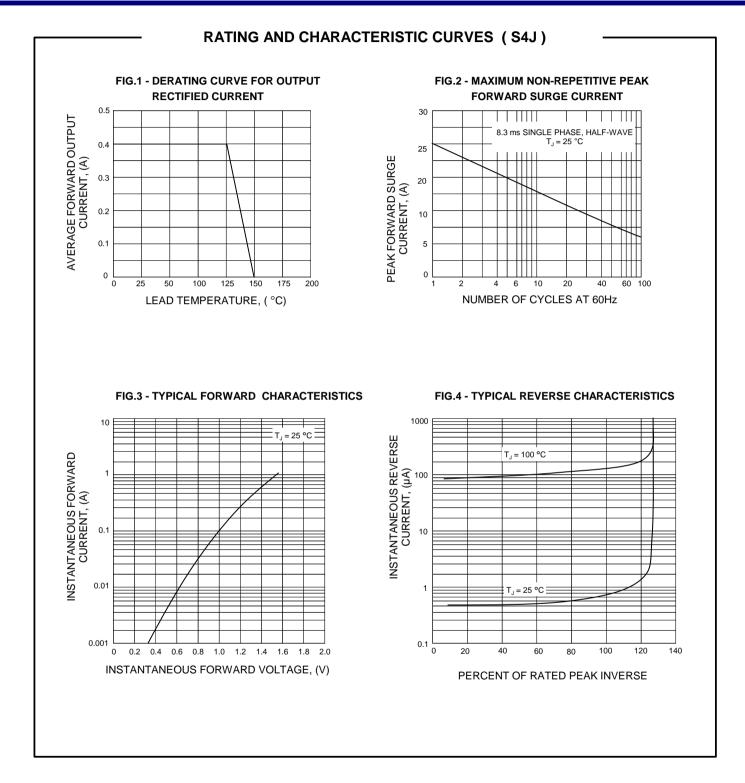
RATING	SYMBOL	S4J	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	600	V
Maximum RMS Voltage	V _{RMS}	420	V
Maximum DC Blocking Voltage	V _{DC}	600	V
Maximum Average Forward Current T _L = 125 °C	I _{F(AV)}	0.4	А
Maximum Peak Forward Surge Current, 8.3 ms. Single half	1	25	A
sine wave Superimposed on rated load (JEDEC Method)	I _{FSM}		
Maximum Peak Forward Voltage at $I_F = 0.4 A$	V _F	1.32	V
Maximum DC Reverse Current Ta = 25 °C	I _R	5	- μΑ
at Rated DC Blocking Voltage Ta = 100 °C	I _{R(H)}	100	
Maximum Reverse Recovery Time (Note 1)	Trr	35	ns
Typical Junction Capacitance (Note 2)	CJ	10	pF
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to + 150	°C

Notes :

⁽¹⁾ Reverse Recovery Test Condition : I_F = 0.5 A, I_R = 1.0 A, Irr = 0.25 A

⁽²⁾ Measured at 1.0 MHz and applied reverse voltage of 4.0 volts.





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