

SS0540FL~SS05200FL

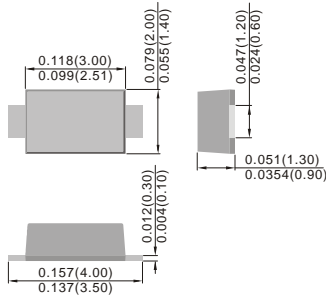
SCHOTTKY BARRIER RECTIFIER

VOLTAGE 40 to 200 Volts CURRENT 0.5 Amperes



SOD-123FL

Unit : inch(mm)

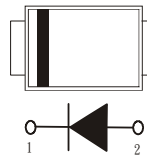


FEATURES

- Fast switching speed
- Surface mount package ideally suited for automatic insertion
- Low power loss, high efficiency
- Lead free in comply with EU RoHS 2002/95/EC directives.

MECHANICAL DATA

- Case: SOD-123FL, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026



ABSOLUTE RATINGS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	SS0540FL	SS0560FL	SS0510FL	SS0515FL	SS05200FL	UNITS
Marking Code	-	B4	B6	B10	B15	B20	-
Reverse Voltage	V _R	40	60	100	150	200	V
Maximum RMS Voltage	V _{RMS}	28	42	70	105	140	V
Average Rectified Current at T _A =75°C	I _{F(AV)}	0.5					A
Non-repetitive Peak Forward Surge Current at t=8.3ms	I _{FSM}	30					A

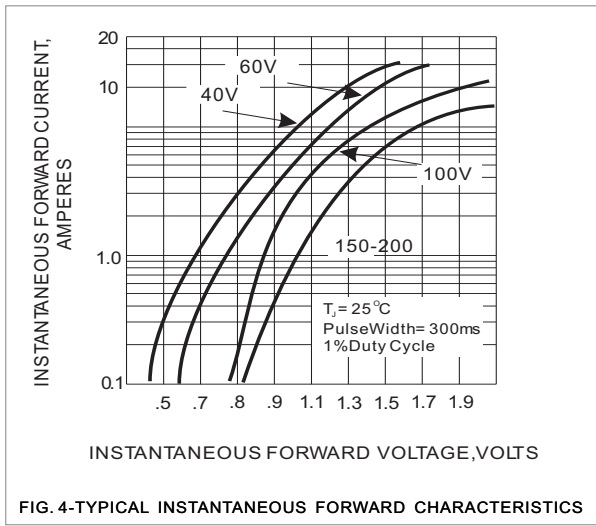
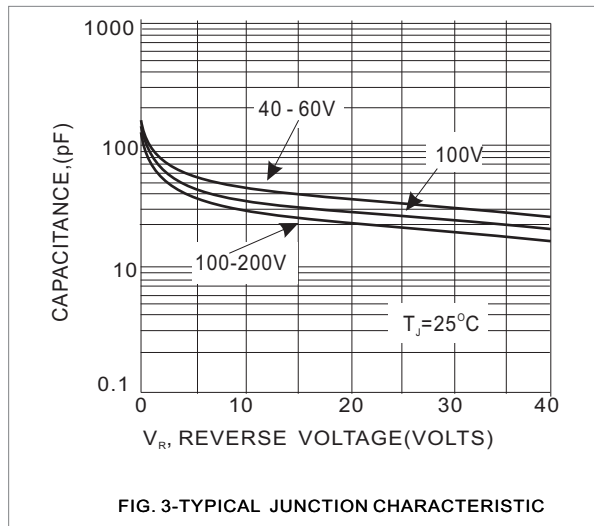
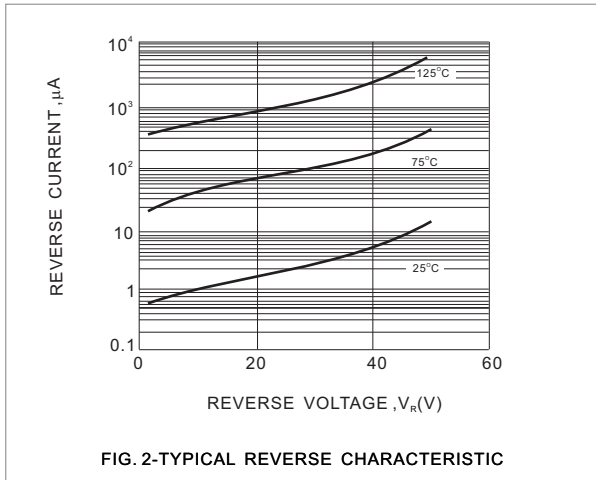
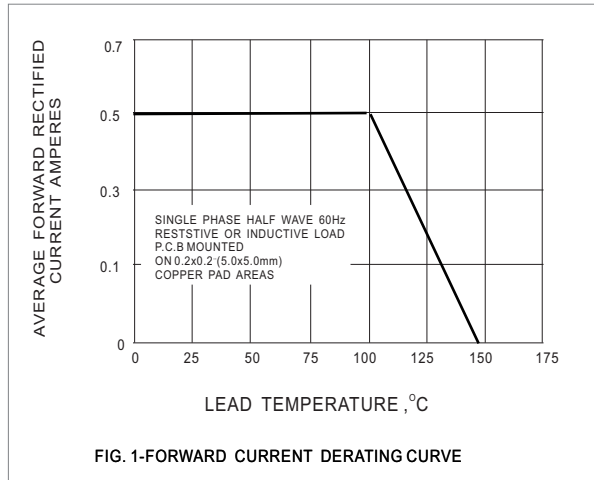
ELECTRICAL AND THERMAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	SS0540FL	SS0560FL	SS0510FL	SS0515FL	SS05200FL	UNITS
Minimum Reverse Breakdown Voltage at I _R =500μA	V _R	40	60	100	150	200	V
Maximum Forward Voltage at I _F =1.0A	V _F	0.55	0.7	0.85	0.95	0.95	V
Reverse Leakage Current at V _{RRM}	I _R	0.2					mA
Typical Thermal Resistance, Junction to Ambient	R _{θJA}	88					°C/W
Typical Junction Capacitance Rating at V _R =0V	C _J	60					pF
Operating Junction Temperature and Storage Temperature Range	T _J , T _{STG}	-55 to +150					°C

Note.1 Mounted with minimum recommended pad size, PC Board FR4.
 2. T_A=25°C unless otherwise specified.

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CATING AND CHARACTERISTIC CURVES



The cruve graph is for reference only, can't be the basis for judgment