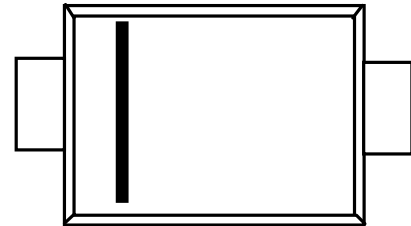


»Features

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability
- Epitaxial construction



SOD-123FL

»General Description

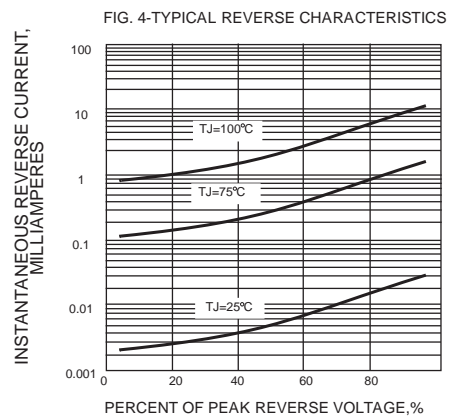
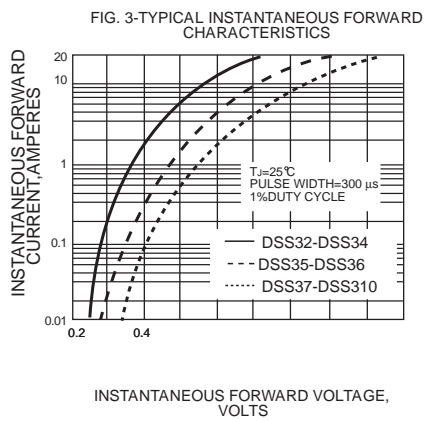
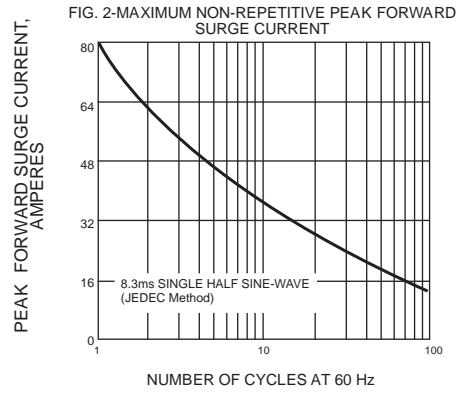
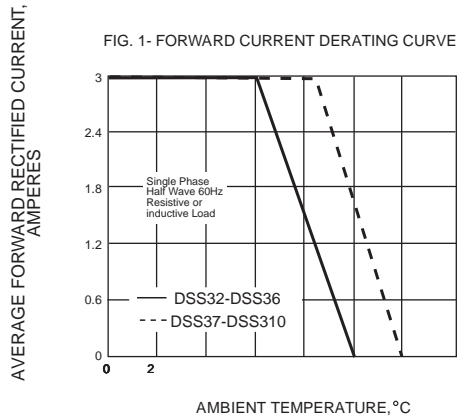
- Case: molded plastic
- Polarity: Color band denotes cathode
- Package: SOD-123FL Plastic Package

» Maximum Ratings and Electrical Characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

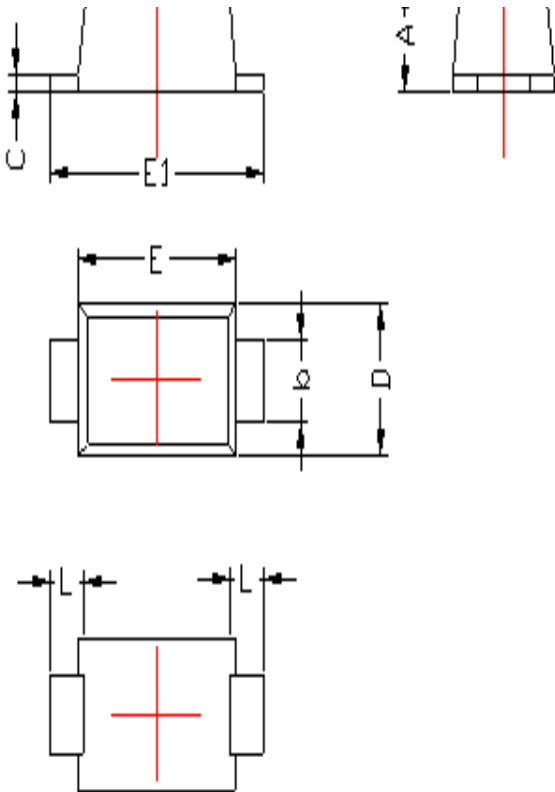
MDD Catalog Number	SYMBOLS	DSS32	DSS33	DSS34	DSS35	DSS36	DSS37	DSS38	DSS39	DSS310	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	50	60	70	80	90	100	VOLTS
Maximum RMS voltage	V_{RMS}	14	21	28	35	42	49	56	63	70	VOLTS
Maximum DC blocking voltage	V_{DC}	20	30	40	50	60	70	80	90	100	VOLTS
Maximum average forward rectified current	$I_{(AV)}$	3.0									Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	80.0									Amps
Maximum instantaneous forward voltage at 3.0A	V_F	0.52	0.55	0.70			0.85				Volts
Maximum DC reverse current at rated DC blocking voltage	I_R	0.5									mA
		20.0						10.0			
Operating junction temperature range	T_J	-50 to +125						-50 to +150			°C
Storage temperature range	T_{STG}	-50 to +150									°C

»Typical Performance Characteristics (T_J = 25 °C, unless otherwise noted)



»Package Information

SOD-123FL



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A	1.00	1.20
b	0.80	1.10
c	0.15	0.25
D	1.75	1.95
E	2.70	2.90
E1	3.50	3.90
L	0.35	0.85

»Ordering information

Part Number	DSS32	DSS33	DSS34	DSS35	DSS36	DSS37	DSS38	DSS39	DSS310
Marking	S32	S33	S34	S35	S36	S37	S38	S39	S310
Base qty	3K	3K	3K	3K	3K	3K	3K	3K	3K