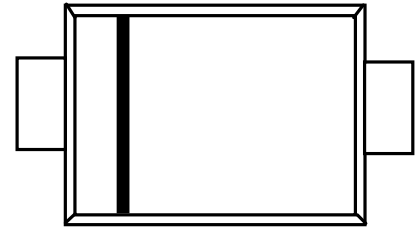


»Features

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

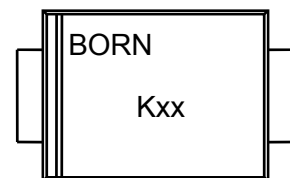


SOD-123FL

»General Description

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

»Marking Information



xx = Type Code

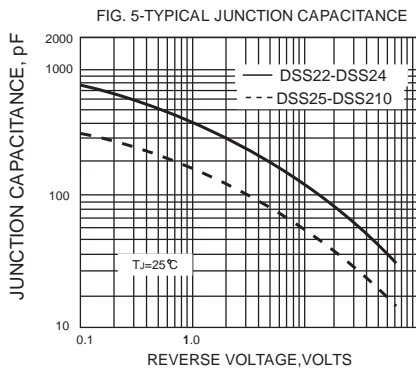
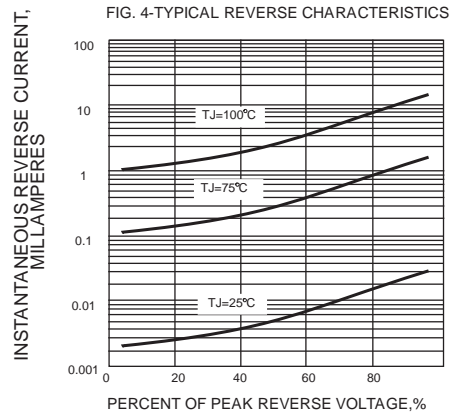
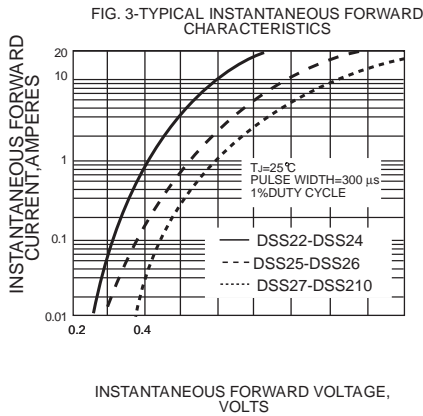
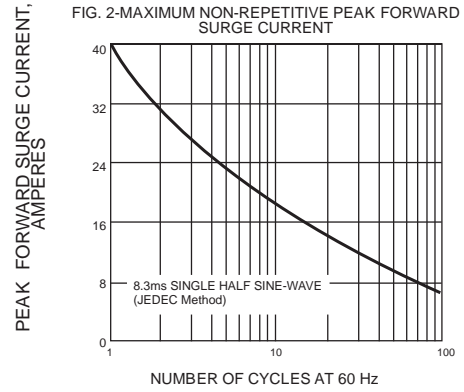
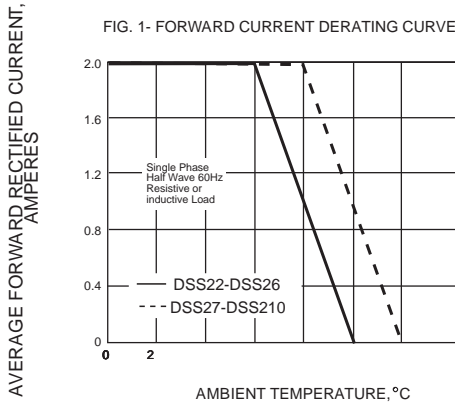
» Maximum Ratings and Electrical Characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

	SYMBOLS	DSS22	DSS23	DSS24	DSS25	DSS26	DSS27	DSS28	DSS29	DSS210	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	$I_{(AV)}$	2.0									Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	40.0									Amps
Maximum instantaneous forward voltage at 2.0A	$V_F$	0.55			0.70			0.85			Volts
Maximum DC reverse current $T_A=25^{\circ}C$ at rated DC blocking voltage $T_A=100^{\circ}C$	$I_R$	0.5						5.0			mA
		10.0									
Typical junction capacitance (NOTE 1)	$C_J$	220			80						pF
Operating junction temperature range	$T_J$	-55 to +125					-55 to +150				°C
Storage temperature range	$T_{STG}$	-55 to +150									°C

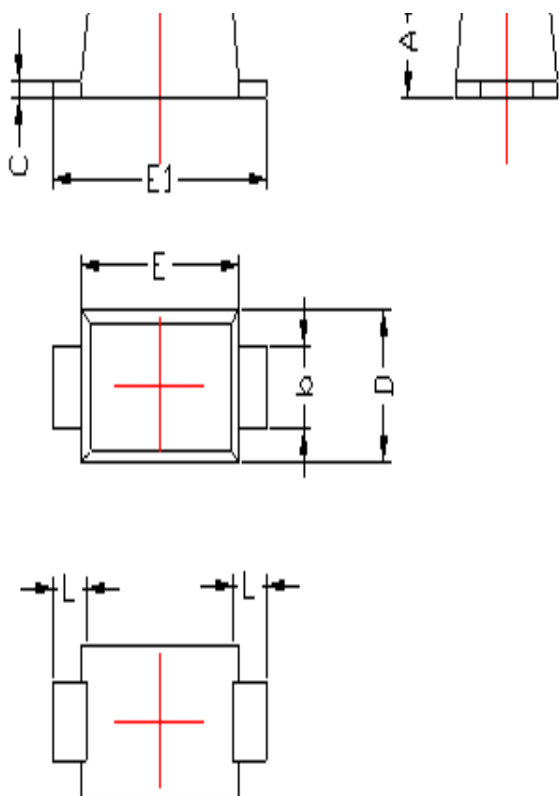
Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

»Typical Performance Characteristics (T<sub>J</sub> = 25 °C, unless otherwise noted)



»Package Information

SOD-123FL



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A	1.20	1.40
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

Package	Packing Description	Packing Quantity	Industry Standard
SOD-123FL	Tape/Reel, 7" reel	3000	EIA-481-1