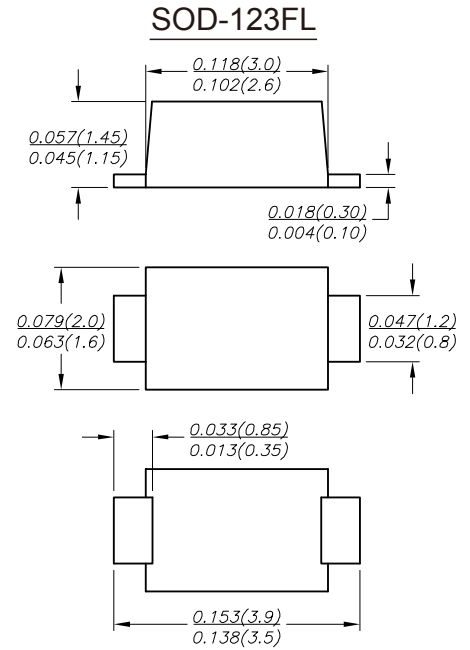


## FEATURES

- Glass passivated device
- Ideal for surface mounted applications
- Low reverse leakage
- Metallurgically bonded construction
- High temperature soldering guaranteed:  
260°C/10 seconds, 0.375" (9.5mm) lead length,  
5 lbs. (2.3kg) tension

## MECHANICAL DATA

- Case:** SOD-123FL molded plastic body over passivated chip
- Terminals:** Plated axial leads, solderable per MIL-STD-750, Method 2026
- Polarity:** Color band denotes cathode end
- Mounting Position:** Any
- Weight:** 0.0007 ounce, 0.02 grams



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

	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	V
Maximum RMS voltage	$V_{RMS}$	14	21	28	35	42	49	56	63	70	V
Maximum DC blocking voltage	$V_{DC}$	20	30	40	50	60	70	80	90	100	V
Maximum average forward rectified current	$I_{(AV)}$	2.0									A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	40.0									A
Maximum instantaneous forward voltage at 2.0A	$V_F$	0.55			0.70			0.85			V
Maximum DC reverse current at rated DC blocking voltage	$I_R$	0.5			0.1			5.0			mA
Typical junction capacitance	$C_J$	220			180						pF
Typical thermal resistance	$R_{\theta JA}$	95									°C/W
Operating junction temperature range	$T_J$	-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.

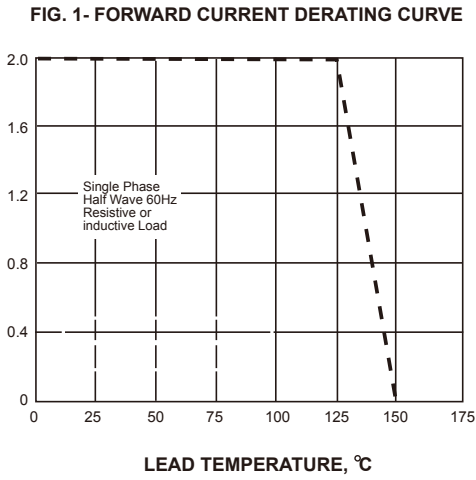




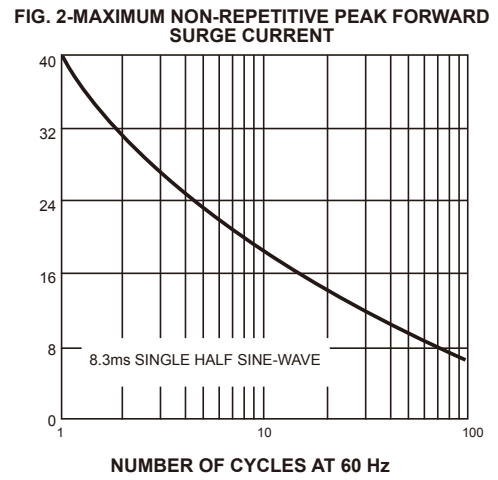
# DSS22 THRU DSS210

Surface Mount Schottky Barrier Rectifiers

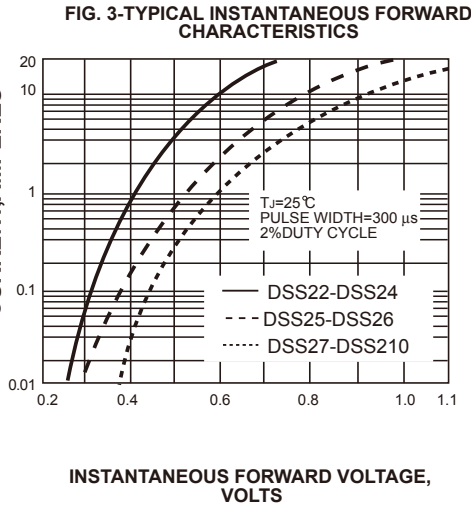
AVERAGE FORWARD RECTIFIED CURRENT, AMPERES



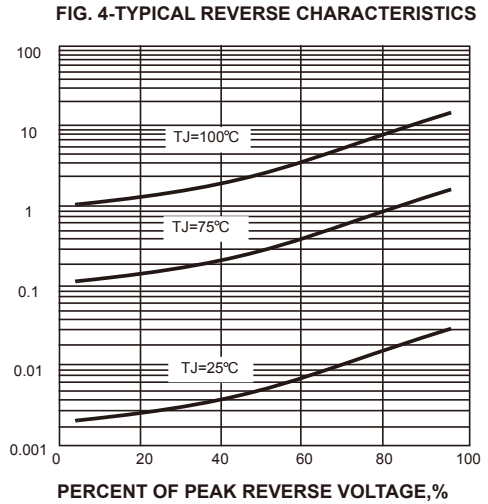
PEAK FORWARD SURGE CURRENT, AMPERES



INSTANTANEOUS FORWARD CURRENT, AMPERES



INSTANTANEOUS REVERSE CURRENT, MILLIAMPERES



JUNCTION CAPACITANCE, pF

