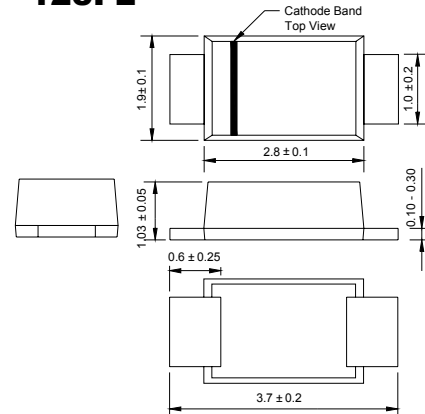


SCHOTTKY BARRIER RECTIFIER
REVERSE VOLTAGE: 20 - 100 V
CURRENT: 2.0 A
FEATURES

- ◇ Low forward surge current
- ◇ Ideal for surface mouted applications
- ◇ Low leakage current

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
- ◇ Weight: 0.0172 gram
- ◇ Mounting position: Any

SOD - 123FL


Dimensions in millimeters

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.

Single hase,half wave,60Hz,resistive or inductive load.For capacitive load,derate current by 20%.

ELECTRICAL CHARACTERISTICS

		SS2020FL	SS2030FL	SS2040FL	SS2060FL	SS20A0FL	UNITS
Device marking code		GM	GN	GP	GQ	GR	
Maximum recurrent peak reverse voltage	V _{RRM}	20	30	40	60	100	V
Maximum RMS voltage	V _{RMS}	14	21	28	42	70	V
Maximum DC blocking voltage	V _{DC}	20	30	40	60	100	V
Maximum average forward rectified current T _J =75℃	I _(AV)	2.0					A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I _{FSM}	50					A
Maximum instantaneous @I _{FM} =2.0A forward voltage	V _F	0.55			0.70	0.85	V
Repetitive peak reverse current at rated DC blocking voltage	I _R	0.5					m A
Typical junction capacitance	C _J	30					p F
Operating temperature range	T _j	- 50 --- + 125					℃
Storage temperature range	T _{STG}	- 50 --- + 150					℃

 NOTE1.Measured at f=1.0MHz, $V_R=4.0\text{V}$
www.diode.co.kr

FIG.1 – FORWARD DERATING CURVE

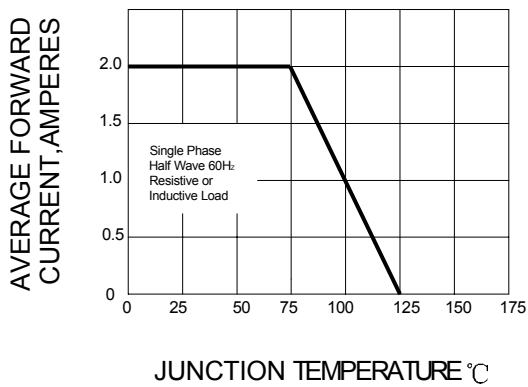


FIG.2– PEAK FORWARD SURGE CURRENT

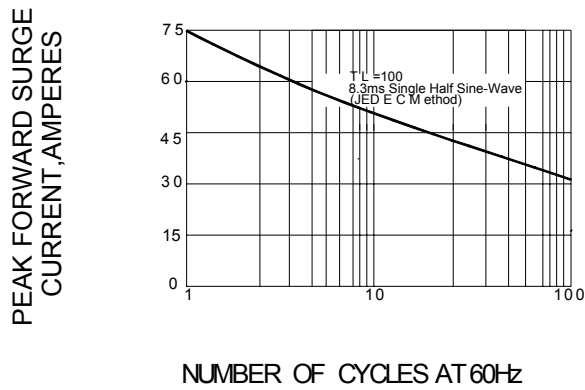


FIG.3 – TYPICAL FORWARD CHARACTERISTICS

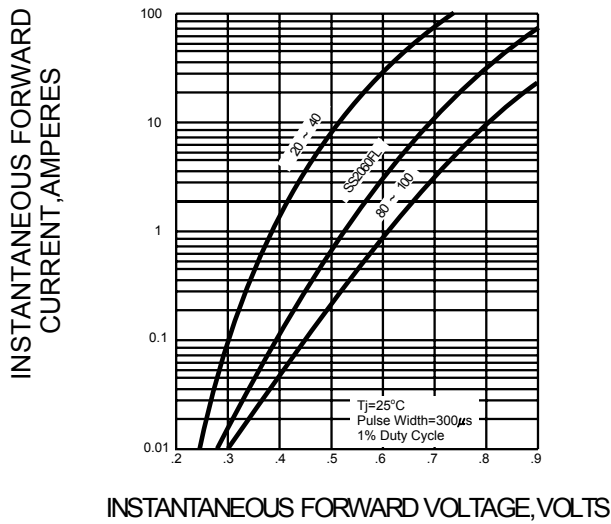


FIG.4 – TYPICAL REVERSE CHARACTERISTICS

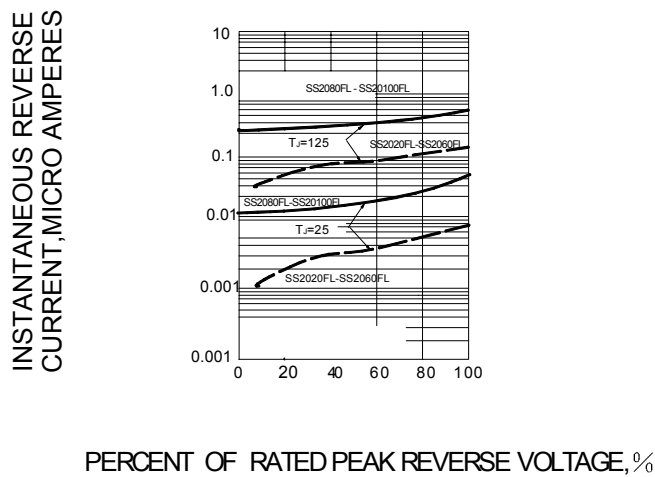


FIG.5-TYPICAL JUNCTION CAPACITANCE

