



YEA SHIN TECHNOLOGY CO., LTD

SK32LL THRU SK34LL

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER



VOLTAGE- 20 to 40 Volts CURRENT- 3 Amperes

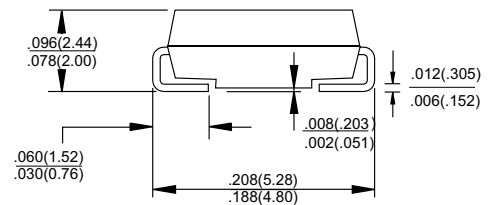
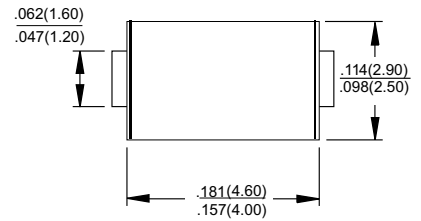
Features

- Low profile package
- Ideal for automated placement
- Guard Ring for over voltage protection
- Low forward voltage drop
- Component in accordance to RoHS 2002/95/EC

Mechanical Date

- Case: DO-214AC (SMA)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Terminals: Lead Free Plating (Tin Finish). Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.062 grams (approximate)

SMA/DO-214AC Unit:inch(mm)



MAXIMUM RATINGS (TA=25°C unless otherwise noted)				
PARAMETER	SYMBOL	SK32LL	SK34LL	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	20	40	V
Maximum RMS voltage	V _{RMS}	14	28	V
Maximum DC blocking voltage	V _{DC}	20	40	V
Maximum average forward rectified current	I _F	3.0		A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	80.0		A
Maximum Instantaneous Forward Voltage IF=3A @ 25°C	V _F	0.42		V
Maximum DC Reverse Current @ Tc=25°C at Rated DC Blocking Voltage @ Tc=75°C	I _R	1.5	70	mA
Typical Thermal Resistance(NOTE2)	R _{θJC}	60.0		°C/W
Typical Junction Capacitance(NOTE1)	C _j	250.0		pF
Operating Temperature Range	T _J	-25 to +75		°C
Storage Temperature Range	T _{STG}	-55 to +125		°C

NOTES:

- 1.Measured at 1.0MHZ and applied reverse voltage of 4.0V DC
- 2.Device mounted on FR-4 substrate, 1"*1", 2oz, single-sided, PC boards with 0.1"*0.15" copper pad.

DEVICE CHARACTERISTICS

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FIG. 1-TYPICAL FORWARD CURRENT DERATING CURVE

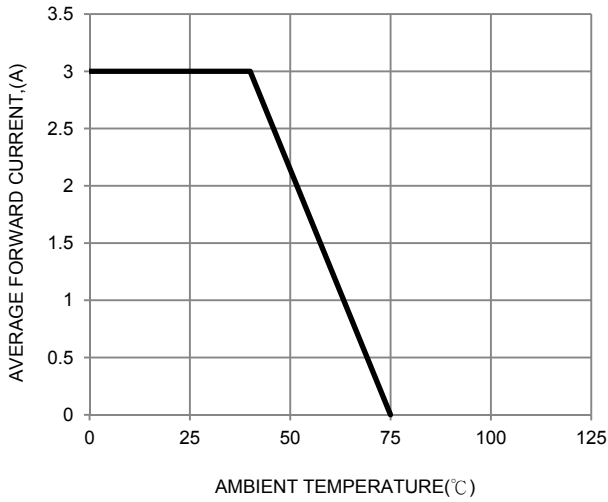


FIG. 2-TYPICAL FORWARD CHARACTERISTICS

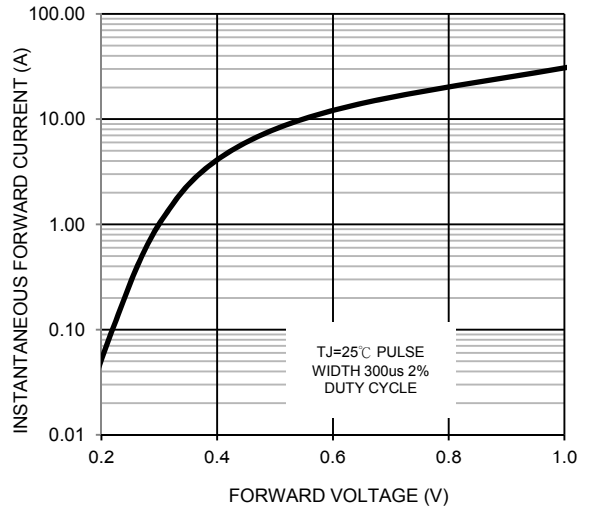


FIG. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

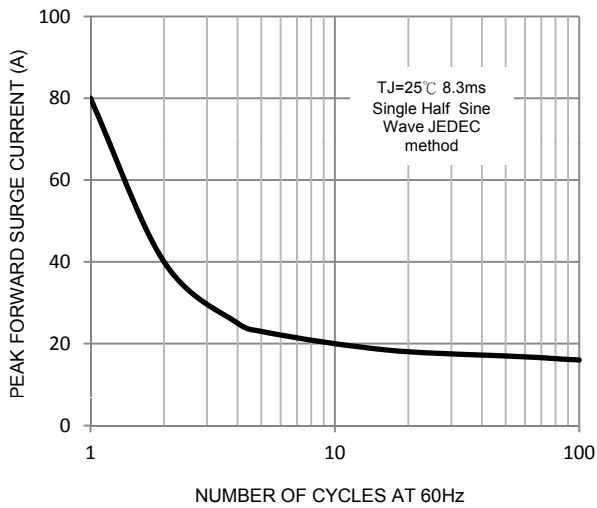


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

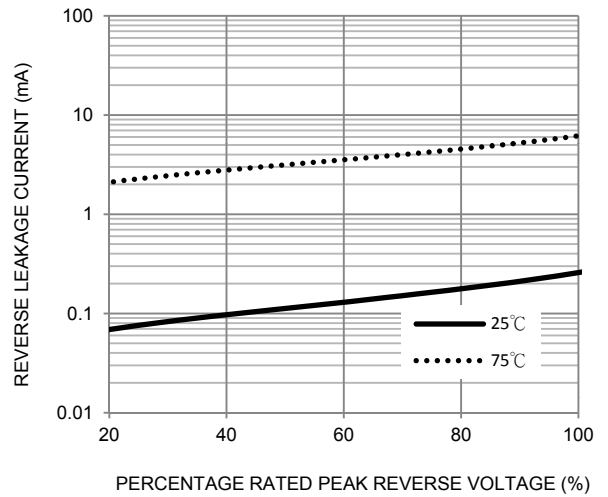


FIG. 5-TYPICAL JUNCTION CAPACITANCE

