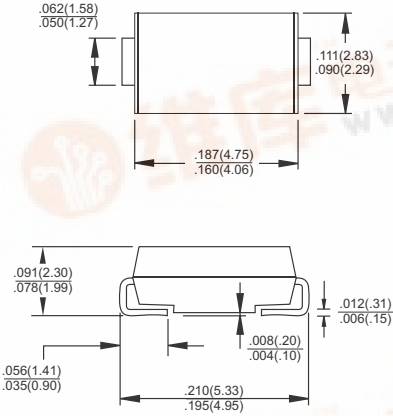


TSC 	SKL32A THRU SKLL34A 3.0 AMPS. Surface Mount Schottky Barrier Rectifiers					
	Voltage Range 20 to 40 Volts Current 3.0 Amperes					
Features ✧ For surface mounted application ✧ Metal to silicon rectifier, majority carrier conduction ✧ Low forward voltage drop ✧ Easy pick and place ✧ High surge current capability ✧ Plastic material used carriers Underwriters Laboratory Classification 94V-0 ✧ Epitaxial construction ✧ High temperature soldering: 260°C / 10 seconds at terminals		SMA/DO-214AC  Dimensions in inches and (millimeters)				
Mechanical Data ✧ Case: Molded plastic ✧ Terminals: Solder plated ✧ Polarity: Indicated by cathode band ✧ Packaging: 16mm tape per EIA STD RS-481 ✧ Weight: 0.21 gram						
Maximum Ratings and Electrical Characteristics Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%						
Type Number	Symbol	SKL 32A	SKLL 32A	SKL 34A	SKLL 34A	Units
Marking Code		SL32A	SLL32A	SL34A	SLL34A	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	20	40	40	V
Maximum RMS Voltage	V _{RMS}	14	14	28	28	V
Maximum DC Blocking Voltage	V _{DC}	20	20	40	40	V
Maximum Average Forward Rectified Current at T _L (See Fig. 1)	I _(AV)	3.0				A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	90				A
Maximum Instantaneous Forward Voltage @ 3.0A	V _F	0.42	0.38	0.45	0.40	V
Maximum DC Reverse Current @ T _A =25°C at Rated DC Blocking Voltage @ T _A =80°C	I _R	1.5 60				mA mA
Operating Temperature Range	T _J	- 25 to +125				°C
Storage Temperature Range	T _{STG}	-50 to +125				°C

Notes: 1. Measured on P.C.Board with 0.2 x 0.2" (5 x 5mm) Copper Pad Areas

RATINGS AND CHARACTERISTIC CURVES (SKL32A THRU SKL34A)

FIG.1- TYPICAL FORWARD CURRENT DERATING CURVE

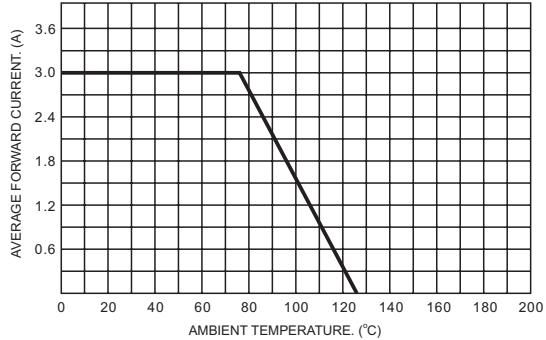


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

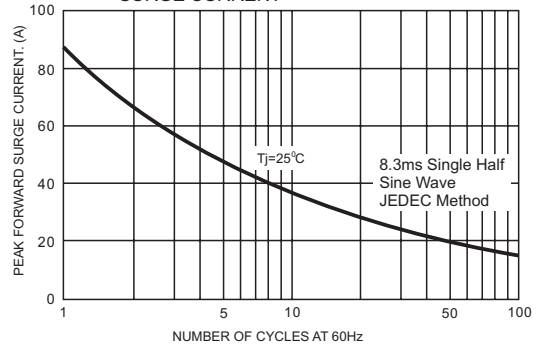


FIG.3- TYPICAL JUNCTION CAPACITANCE

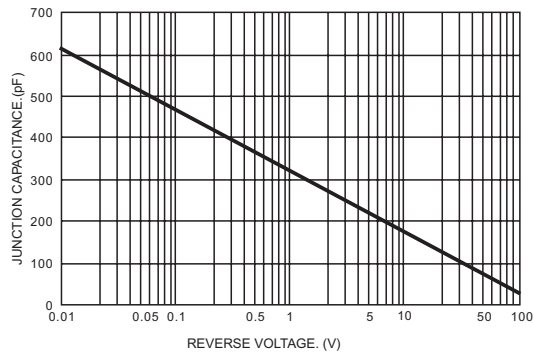
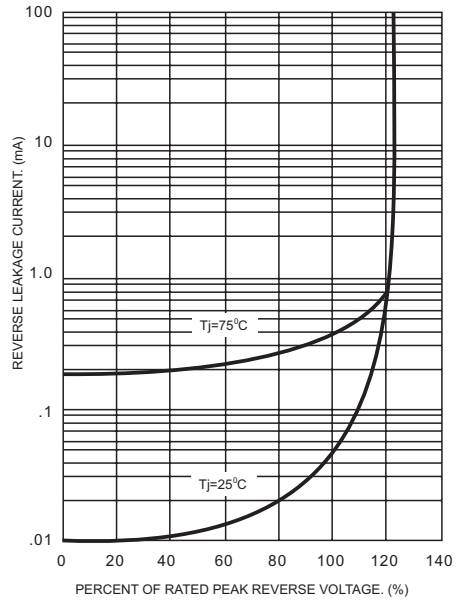


FIG.4- TYPICAL REVERSE CHARACTERISTICS



RATINGS AND CHARACTERISTIC CURVES (SKL32A THRU SKLL34A)

FIG.5- TYPICAL FORWARD CHARACTERISTICS
(FOR SKL32A)

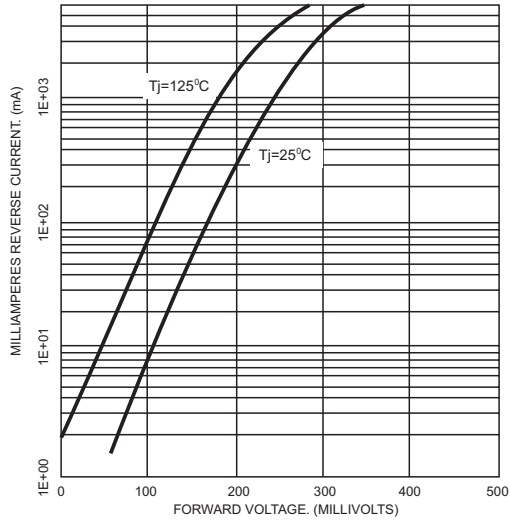


FIG.6- TYPICAL FORWARD CHARACTERISTICS
(FOR SKLL32A)

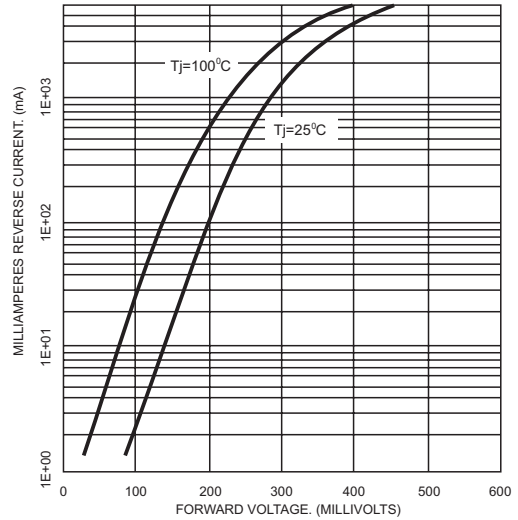


FIG.7- TYPICAL FORWARD CHARACTERISTICS
(FOR SKL34A)

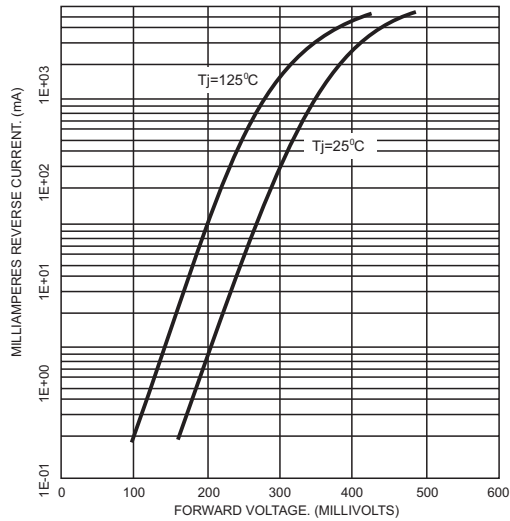


FIG.8- TYPICAL FORWARD CHARACTERISTICS
(FOR SKLL34A)

