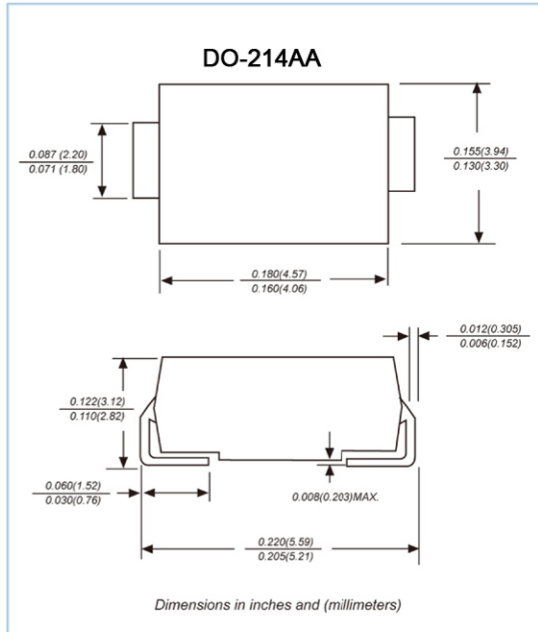


RATINGS AND CHARACTERISTIC CURVES SK32 THRU SK310



FEATURES

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ For surface mounted applications
- ◆ Low reverse leakage
- ◆ Built-in strain relief, ideal for automated placement
- ◆ High forward surge current capability (100 A peak)
- ◆ High temperature soldering guaranteed: 250°C/10 seconds at terminals

MECHANICAL DATA

Case: JEDEC DO-214AA molded plastic body
Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
Polarity: Color band denotes cathode end
Mounting Position: Any
Weight: 0.005 ounce, 0.138grams

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	SK32	SK33	SK34	SK35	SK36	SK38	SK310	UNITS	
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	50	60	80	100	VOLTS	
Maximum RMS voltage	V_{RMS}	14	21	28	35	42	56	70	VOLTS	
Maximum DC blocking voltage	V_{DC}	20	30	40	50	60	80	100	VOLTS	
Maximum average forward rectified current at T_L (see fig.1)	$I_{(AV)}$	3.0							Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	100.0							Amps	
Maximum instantaneous forward voltage at 3.0A	V_F	0.50		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							mA	
		20				10				
Typical junction capacitance (NOTE 1)	C_J	500			300				pF	
Typical thermal resistance (NOTE 2)	$R_{\theta JA}$	55.0							°C/W	
Operating junction temperature range	T_J	-65 to +125					-65 to +150			°C
Storage temperature range	T_{STG}	-65 to +150							°C	

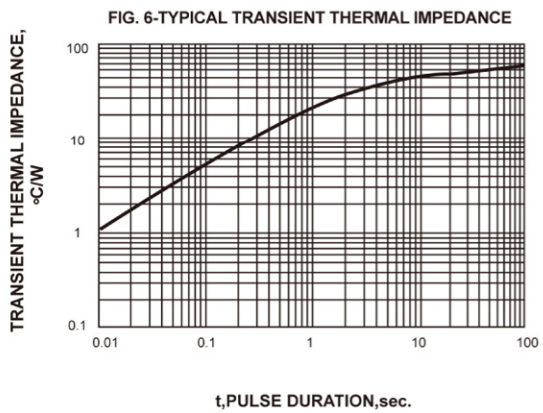
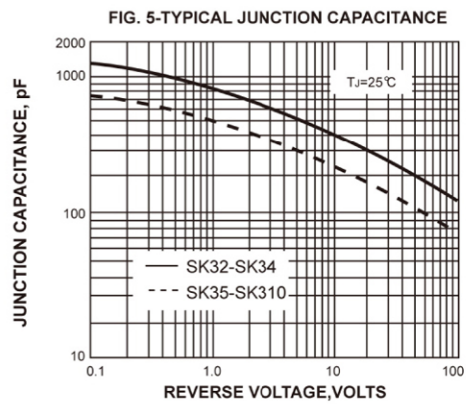
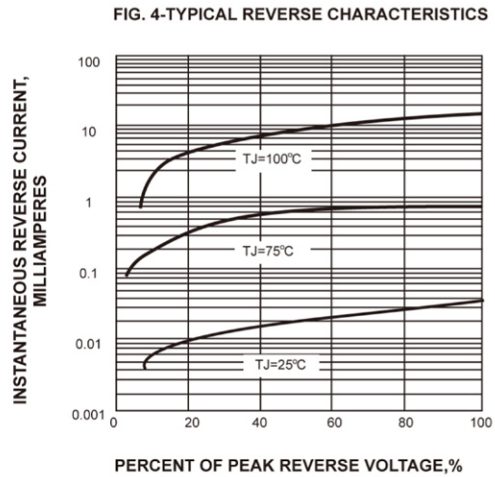
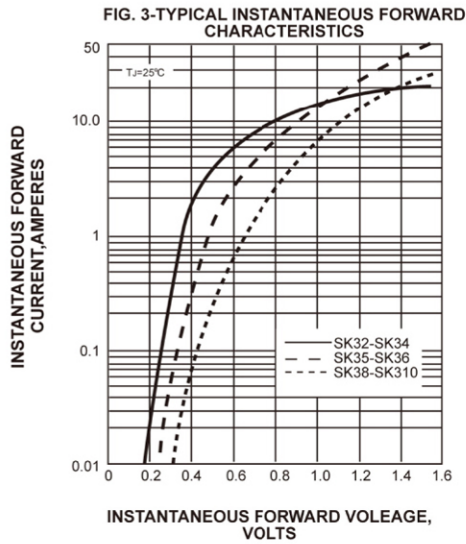
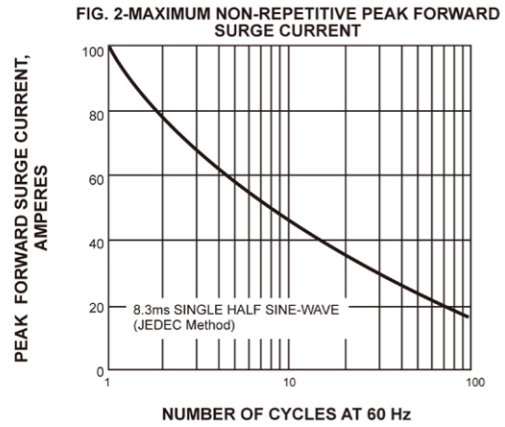
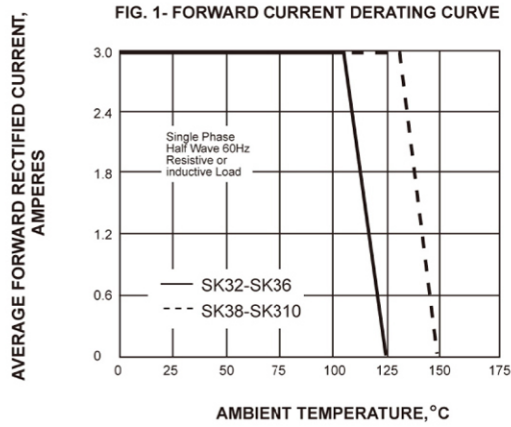
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
 2. P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas

SK MAKE CONSCIOUS PRODUCT
 CONSCIOUS PRODUCTS BEGIN WITH CONSCIOUS PEOPLE



www.shike.tw

RATINGS AND CHARACTERISTIC CURVES SK32 THRU SK310



SK MAKE CONSCIOUS PRODUCT
CONSCIOUS PRODUCTS BEGIN WITH CONSCIOUS PEOPLE



www.shike.tw