



Micro Commercial Components



Micro Commercial Components  
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# SK34AL-TPS02

## Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Super low forward voltage drop
- Built-in strain relief
- Easy pick and place
- For Surface Mount Applications
- Halogen free available upon request by adding suffix "-HF"

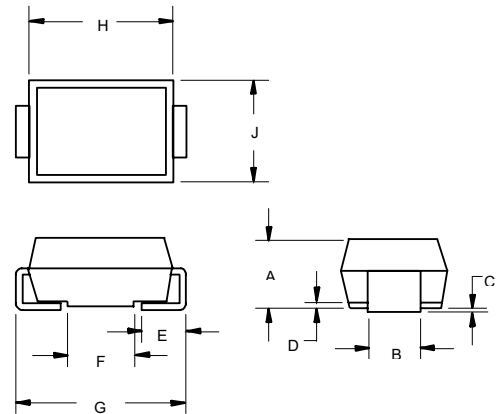
**3 Amp Schottky  
Barrier Rectifier  
Low Vf Type 40 Volts**

## Maximum Ratings

- Operating Junction Temperature Range: -50°C to +125°C
- Storage Temperature Range: -50°C to +125°C
- Maximum Thermal Resistance; 80 °C/W Junction To Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SK34AL-TPS02	SK34A	40V	28V	40V

## DO-214AC (SMA) (LEAD FRAME)



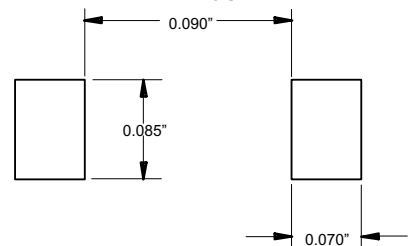
DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.079	.096	2.00	2.44	
B	.050	.064	1.27	1.63	
C	.002	.008	.05	.20	
D	---	.02	---	.51	
E	.030	.060	.76	1.52	
F	.065	.091	1.65	2.32	
G	.189	.220	4.80	5.59	
H	.157	.181	4.00	4.60	
J	.090	.115	2.25	2.92	

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0A	$T_L = 75^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	90A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	.43V .418V Typ.	$I_{FM} = 3.0A;$ $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	1mA 60mA 20µA	$T_J = 25^\circ\text{C} (V_r=40V)$ $T_J = 80^\circ\text{C} (V_r=40V)$ $T_J = 25^\circ\text{C} (V_r=4V)$

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

## SUGGESTED SOLDER PAD LAYOUT



# SK34AL-TPS02

## RATING AND CHARACTERISTIC CURVES

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

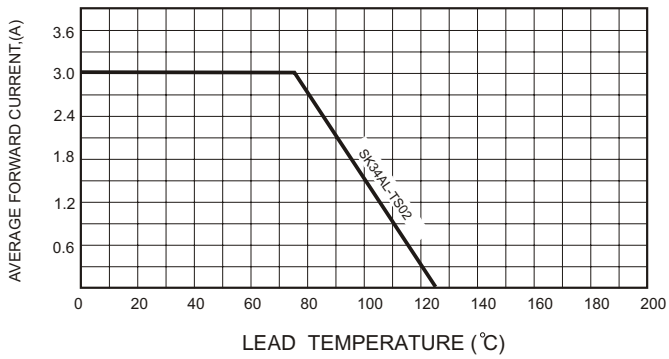


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

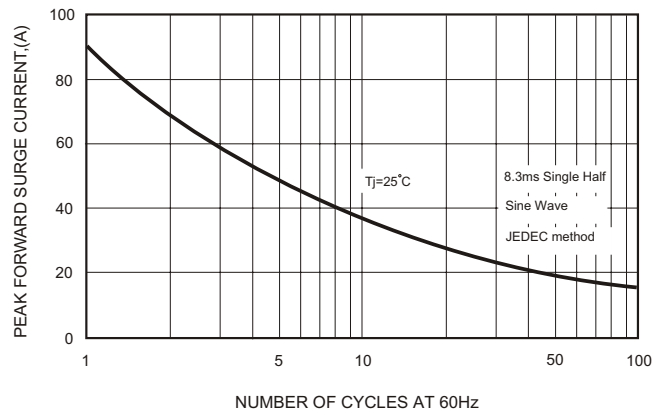


FIG.3-TYPICAL JUNCTION CAPACITANCE

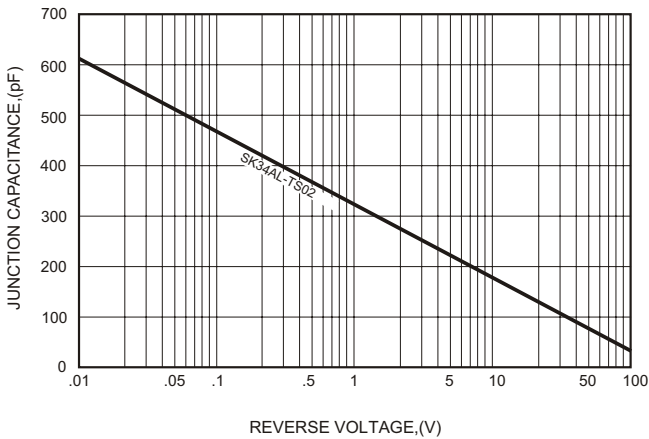
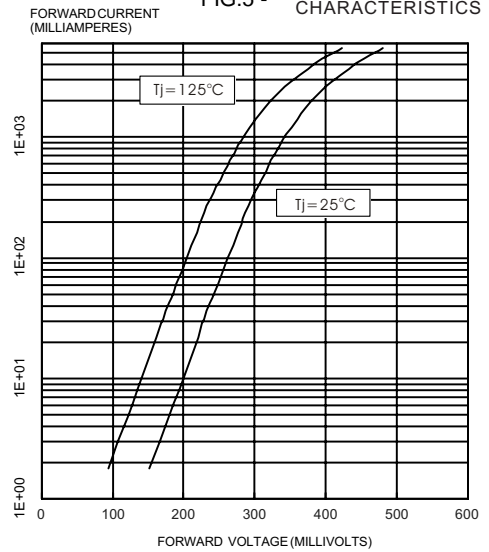


FIG.5 - TYPICAL FORWARD CHARACTERISTICS





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## Ordering Information

Device	Packing
SK34AL-TPS02	Tape&Reel;5Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. SK34AL-TPS02-HF

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