

SKS22C THRU SKS26C

2A Surface Mount Schottky Barrier Rectifiers

■ Features

- Low profile surface mounted application in order to optimize board space.
- Low power loss, high efficiency.
- High current capability, low forward voltage drop.
- Ultra high-speed switching.
- Silicon epitaxial planar chip, metal silicon junction.
- Suffix "G" indicates Halogen-free part, ex.SKS22CG.
- Lead-free parts meet environmental standards of MIL-STD-19500/228

■ Mechanical data

• Epoxy:UL94-V0 rated flame retardant

· Case: Molded plastic, DO-214AB / SMC

• Terminals : Solder plated, solderable per

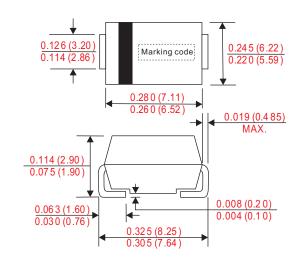
MIL-STD-750, Method 2026

• Polarity : Indicated by cathode band

• Weight: 0.007 ounce, 0.226 gram

Outline

SMC(DO-214AB)



Dimensions in inches and (millimeters)

■ Maximum ratings and electrical characteristics

Rating at 25° C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current	See Fig.1	Io			2.0	Α
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}			50	Α
Barrana	$V_R = V_{RRM} T_A = 25^{\circ}C$				0.5	mA
Reverse current	$V_R = V_{RRM} T_A = 100^{\circ}C$	I _R			20	
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C,		30		pF
Thermal resistance	Junction to ambient	R _{eJA}		50		°C/W
Storage temperature		T _{stg}	-55		+175	°C

Symbol	Marking code	Max. repetitive peak reverse voltage V _{RRM} (V)	Max. RMS voltage V _{RMS} (V)	Max. DC blocking voltage $V_{\scriptscriptstyle R}\left(V\right)$	Max. forward voltage @2A, T _A = 25°C V _F (V)	Operating temperature T _J (°C)
SKS22C	KS22	20	14	20	0.35	
SKS24C	KS24	40	28	40	0.40	-55 ~ +150
SKS26C	KS26	60	42	60	0.50	

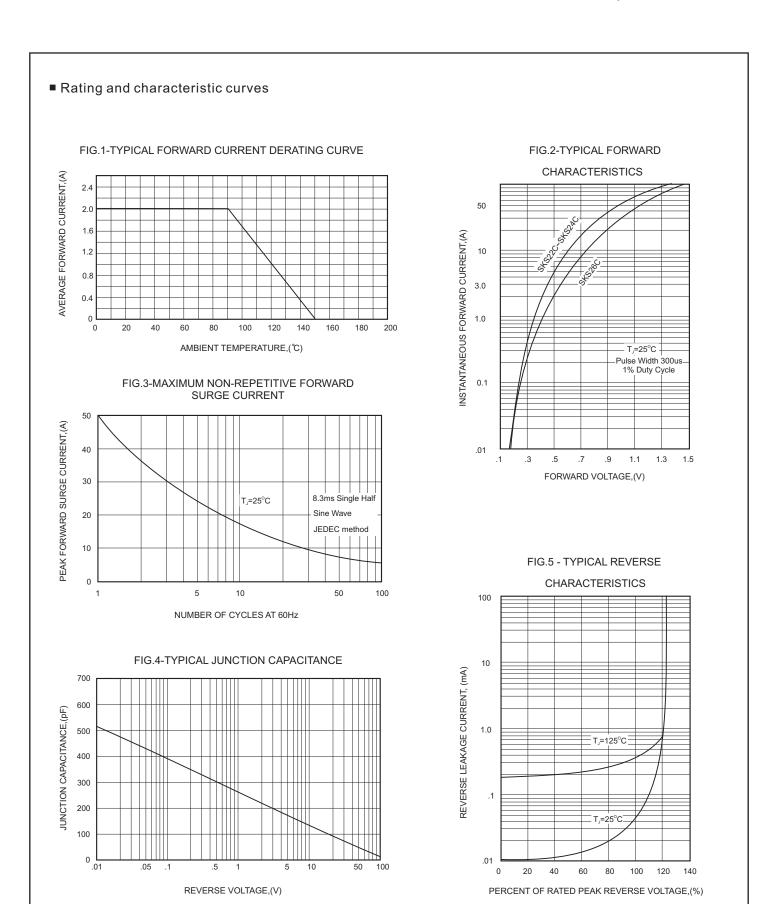
Document ID : DS-12K24 Issued Date : 2010/05/05 Revised Date : 2012/05/31

Revision: C1



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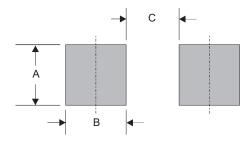
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■ SMC foot print



А	В	С	
0.132 (3.30)	0.098 (2.50)	0.176 (4.40)	

Dimensions in inches and (millimeters)

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