citc

SKL22C THRU SKL220C

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.SKL22CG.
- Lead-free parts meet environmental standards of MIL-STD-19500 /228

Outline SMC(DO-214AB) 0.126 (3.20) 0.245 (6.22) Marking code 0.114 (2.86) 0.220 (5.59) 0.280(7.11) 0.260(6.52) 0.019 (0.485) -MAX. 0.114 (2.90) 0.075 (1.90 1 0.008 (0.20) 0.063(1.60) <u>م</u> 0.004 (0.10) 0.030(0.76) 0.325 (8.25) 0.305 (7.64)

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

Dimensions in inches and (millimeters)

Maximum ratings and electrical characteristics

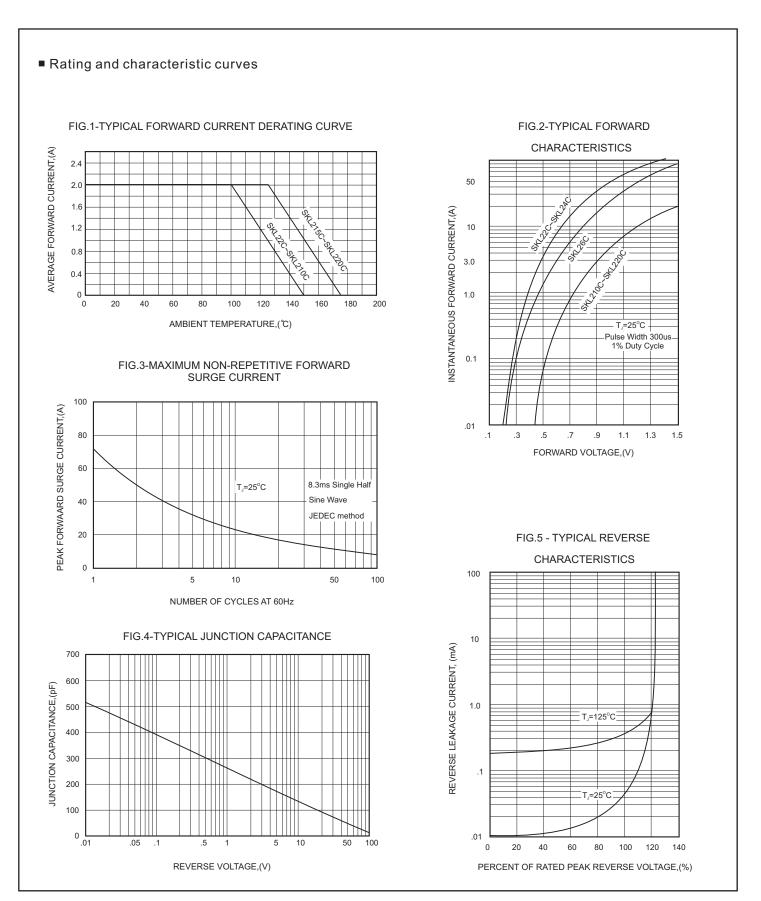
Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter			Conditions			Symbol	MIN.	TYP.	MAX.	UNIT	
Forward rectified current			See Fig.1			I _o			2.0	A	
Forward surge current			8.3ms single half sine-wave superimposed on rate load (JEDEC method)			I _{FSM}			70	А	
Reverse current			$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$			- I _R -			0.5	mA	
			$V_{\rm R} = V_{\rm RRM} T_{\rm A} = 100^{\circ} \rm C$						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 pea reverse volta V _{RRM} (V)		Max. DC blocking voltage V _R (V)		. forward 2A, T _A = 2 V _F (V)	25°Cັ	Oper	Operating temperature T _J (°C)		
SKL22C	KL22	20	14	20		0.40					
SKL24C	KL24	40	28	40		0.45		-55~+150			
SKL26C	KL26	60	42	60		0.55			-55~+150		
01/1 0 1 0 0	KL210	100	70	100		0.75					
SKL210C				450		0.82			-55 ~ +175		
SKL210C SKL215C	KL215	150	105	150		0.02			55 ~ ±1	75	



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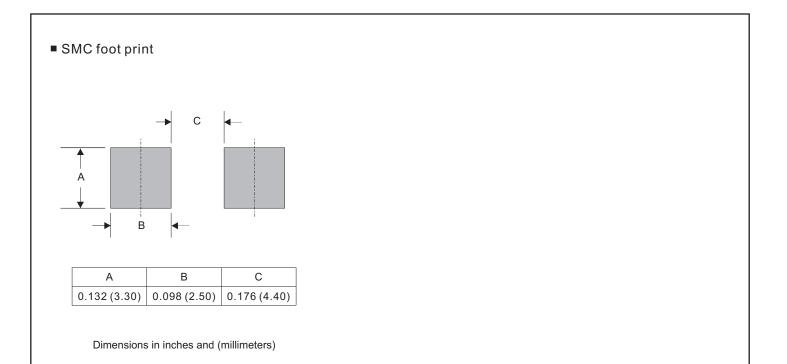
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http://www.citcorp.com.tw/ Tel:886-3-5600628 Fax:886-3-5600636 Add:Rm. 3, 2F., No.32, Taiyuan St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.)