

SR22 THRU SR220

2A Leaded Type Schottky Barrier Rectifiers

Features

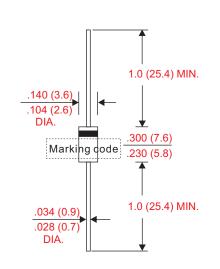
- Electrostatic discharge (ESD) test under IEC6100-4-2 standard >16KV(SR22~SR26).
 standard >10KV(SR210~SR220).
- Axial lead type devices for through hole design.
- Low power loss, high efficiency.
- High current capability, low forward voltage drop.
- High surge capability.
- Ultra high-speed switching.
- Silicon epitaxial planar chip, metal silicon junction.
- Suffix "G" indicates Halogen-free part, ex.SR22G.
- Lead-free parts meet environmental standards of MIL-STD-19500 /228

Mechanical data

- Epoxy:UL94-V0 rated flame retardant
- Case : Molded plastic, DO-204AC / DO-15
- Lead : Axial leads, solderable per MIL-STD-202, Method 208 guranteed
- Polarity : Color band denotes cathode end
- Weight : Approximated 0.39 gram

Outline

DO-15(DO-204AC)



Dimensions in inches and (millimeters)

Maximum ratings and electrical characteristics

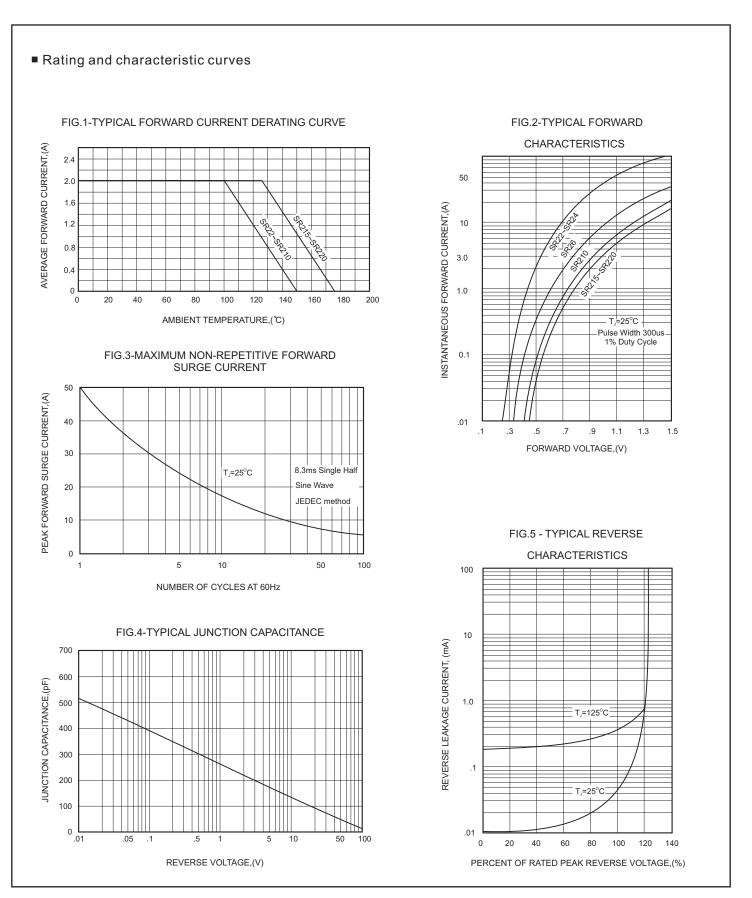
Rating at 25° C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

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Parameter			Conditions			Symbol	MIN.	TYP.	MAX.	UNIT	
Forward rectified current			See Fig.1			I _o			2.0	А	
Forward surge current			8.3ms single half sine-wave superimposed on rate load (JEDEC method)			I _{FSM}			50	А	
Reverse current			$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$			- I _R			0.5	mA	
			$V_{R} = V_{RRM} T_{A} = 100^{\circ}C$						20		
Diode junction capacitance			f=1MHz and applied 4V DC reverse voltage			C		30		рF	
Thermal resistance			Junction to ambient			R _{eja}		50		°C/W	
Storage temperature						T _{stg}	-55		+175	°C	
Symbol	Marking code	Max. repetitive pea reverse voltag V _{RRM} (V)		Max. DC blocking voltage V _R (V)		forward 02A, T _A = 2 V _F (V)		Oper	Operating temperature $T_{J}(^{\circ}C)$		
SR22	SR22	20	14	20		0.45			-50 ~ +150		
SR24	SR24	40	28	40		0.50					
SR26	SR26	60	42	60		0.70					
SR210	SR210	100	70	100		0.81					
SR215	SR215	150	105	150		0.87			-50 ~ +175		
SR220	SR220	200	140	200		0.90					



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Document ID : DS-11K80 Issued Date : 2010/05/05 Revised Date : 2012/05/31 Revision : C



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