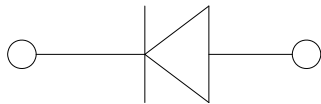


Hmd]WU' 5dd']WUh]cbg'

For use in low voltage high frequency inverters, freewheeling, DC/DC converters, automotive applications, soldered leads, solderable per J-STD-002 and JESD22-B102  
Dc`Uf]hm. Cathode line denotes the cathode end



AUI]a i a'FUh]b]g (T<sub>a</sub>=25 Unless otherwise specified)

D5F5A9H9F'	GMA6C@'	I B-H'	GG&, 5E'	GG&%\$5E'
Device marking code			SS28A	SS210A
Repetitive peak reverse voltage	V <sub>RRM</sub>	V	80	100
Maximum RMS voltage	V <sub>RMS</sub>	V	56	70
Maximum DC blocking voltage	V <sub>DC</sub>	V	80	100
Maximum average forward rectified current at T <sub>L</sub> (Fig.1)	I <sub>O</sub>	A	2.0	
Surge(non-repetitive)forward current @60Hz half-sine wave,1 cycle, T <sub>J</sub> =25	I <sub>FSM</sub>	A	75	
Voltage rate of change (rated V <sub>R</sub> )	dV/dt	V/μs	10000	
Storage temperature	T <sub>stg</sub>		-55 ~+175	
Junction temperature	T <sub>J</sub>		-55 ~+175	

9`YWhf]WU' 7`UfUWhYf]gh]Wg(T<sub>a</sub>=25 Unless otherwise specified)

D5F5A9H9F'	GMA6C@'	H9GH'7CB8-H-CBG'	HMD'	A5L'	I B-H'
Instantaneous forward voltage	V <sub>F</sub>	I <sub>F</sub> =2A	T <sub>J</sub> =25	0.77	V
			T <sub>J</sub> =125	0.62	
Reverse current	I <sub>R</sub>	Rated V <sub>R</sub>	T <sub>J</sub> =25	-	μA
			T <sub>J</sub> =125	20	
Typical junction capacitance	C <sub>J</sub>	V <sub>R</sub> =4V,f=1MHz	60	-	pF
Reverse recovery time	T <sub>RR</sub>	I <sub>F</sub> =1A,di/dt=-50A/us,VRM=30V	25	-	ns



# GG&, 5E'H<F I'GG&%\$5E'

H\YfaU'7\UfUWhYf]gh]Wg'(Ta=25 Unless otherwise specified)

D5F5A9H9F'	GMA6C@'	IB=H'	GG&, 5E'	GG&%\$5E'
Thermal Resistance	R <sub>J-A</sub>	/W	75 <sup>1)</sup>	
	R <sub>J-L</sub>		17 <sup>1)</sup>	

Note  
 (1) Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

7\UfUWhYf]gh]Wg'(Typical)

CfXYf]b[-bZcf aUh]cb'(Example)

DF9:9F98' 'D#B'	D57?5;9 7C89'	IB=H'K9=; <Hfl[L'	A=B=AIA' D57?5;9fidWgl'	CIH9F'75FHCB' E I 5BH=HMfidWgl'	89@=J9FM'' AC89'
SS28AQ- SS210AQ'	F2	Approximate 0.067	7500	120000	13" reel



C i h`]bY'8]a Ybg]cbg''

8C!&%( 57fGA 5L'		
Dim	Min	Max
A	1.25	1.58
B	2.40	2.83
C	4.00	4.75
D	1.90	2.30
E	4.93	5.28
F	0.76	1.41
G	0.05	0.20
H	0.15	0.31
I	1.7	2.1

G i [ [YghYX'DUX'@Umc i h'

8C!&%( 57fGA 5L'	
Dim	Millimeters



8]gW'U]a Yf'

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