

**AYW\ab]Wa` 8aha**

DaW\_a[Y: DO-214AB (SMC)

Molding compound meets UL 94 V-0 flammability rating,  
RoHS-compliant, halogen-free

HYf a]ba`g: Tin plated leads, solderable per  
J-STD-002 and JESD22-B102

Dc`af]hm: Color band denotes the cathode end

**Aa]a i a Fah]b]g (Ta=25 Unless otherwise specified)**

D5F5A9H9F	GMA6C@	IB-H	9G'5	9G'6	9G'7	9G'8	9G':	9G';	9G'<	9G'>	9G'?
Device marking code			ES3A	ES3B	ES3C	ES3D	ES3F	ES3G	ES3H	ES3J	ES3K
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	V	50	100	150	200	300	400	500	600	800
Maximum RMS Voltage	V <sub>RMS</sub>	V	35	70	105	140	210	280	350	420	560
Maximum DC blocking Voltage	V <sub>DC</sub>	35 700	150 200	300 400	500 600	800					
Forward Surge Current (Non	a	o	A	3.0							

-XQFWLRQ WHP SHUDWXUH		7 M	-55 ~ +150
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**9`YWhf]Wa` 7\afaWhYf]gh]Wg (Ta=25 Unless otherwise specified)**

D5F5A9H9F	GMA6C@	IB-H	H9GH 7CB8-H:CBG	9G'5	9G'6	9G'7	9G'8	9G':	9G';	9G'<	9G'>	9G'?
Maximum instantaneous forward voltage	V <sub>F</sub>	V	I <sub>FM</sub> =3.0A	0.95			1.3	1.7	1.85			
Maximum reverse recovery time	t <sub>rr</sub>	ns	I <sub>F</sub> =0.5A, I <sub>R</sub> =1.0A, I <sub>rr</sub> =0.25A	35								
Maximum DC reverse current at rated DC blocking voltage	I <sub>R</sub>	μA	T <sub>j</sub> =25	5								
			T <sub>j</sub> =125	100								
Typical junction capacitance	C <sub>j</sub>	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	60			35	29	21			



# 9G'5 H<F I 9G'?

H\Yf a a` 7 \afaWhYf]gh]Wg (Ta=25 Unless otherwise specified)

D5F5A9H9F	GMA6C@	IB=H	9G'5	9G'6	9G'7	9G'8	9G':	9G';	9G'<	9G'>	9G'?
Typical Thermal Resistance	R <sub>J-A</sub> <sup>(1)</sup>	/W	50								
	R <sub>J-L</sub> <sup>(1)</sup>		16								
	R <sub>J-C</sub> <sup>(1)</sup>		12								

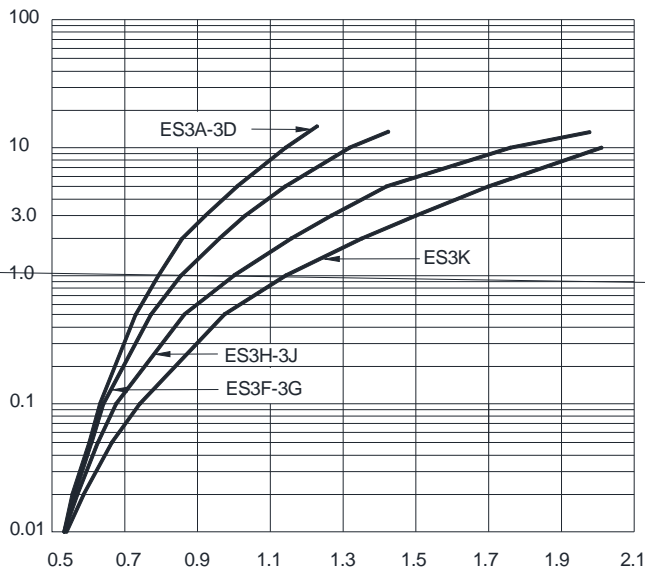
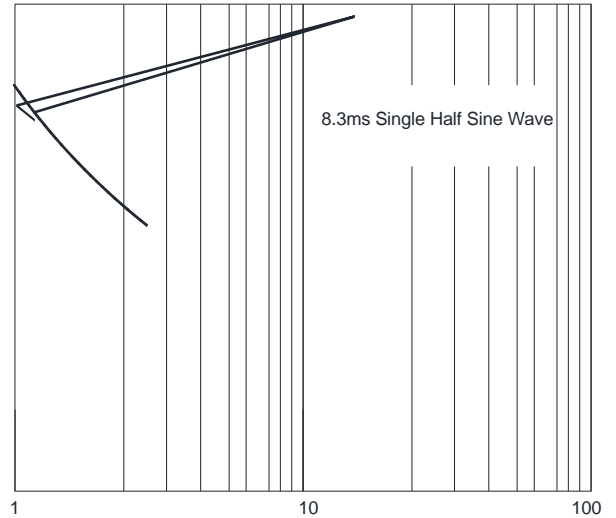
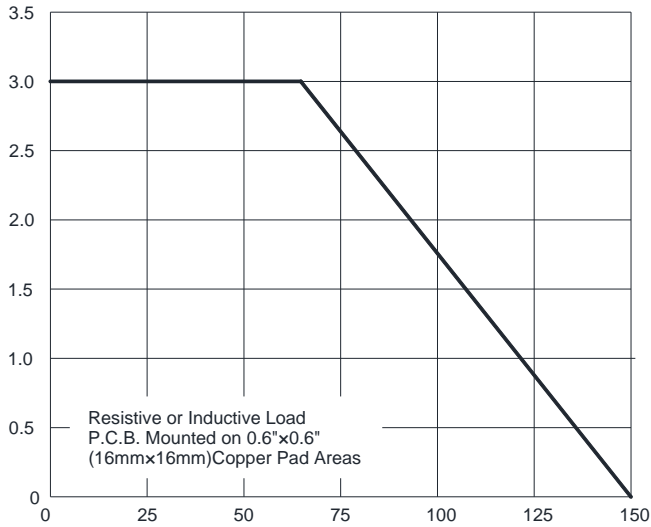
Note (1)

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16 mm) copper pad areas

CfXyYf]b [-bzcf a ah]cb (Example)

DF9:9F98 D#B	D57?5;97C89	IB=H K9=: <Hfl]t	A=B=A I A D57?5;9fidWgt	=BB9F 6CL E I 5BH=HMfidWgt	C I H9F 75FHCB E I 5BH=HMfidWgt	89@=J9FM AC89
ES3A-ES3K	F1	Approximate 0.248	3000	/	42000	13" reel

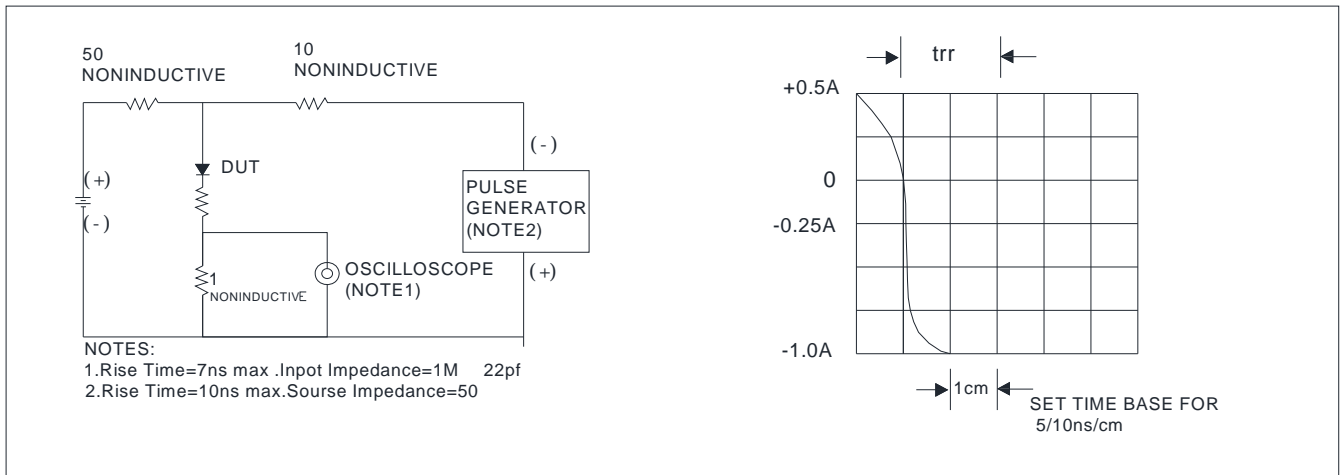
7 \afaWhYf]gh]Wg (Typical)





# 9G'5 H<F I 9G'?

:=;'): 8]a[fa a cZ W]fwi]h abX HYgh]b[ kajY Zcf a cZ fYjYfgY fYWcjYfm h]aY



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

8C!&%( 56 fGA7L		
Dim	Min	Max
A	6.60	7.11
B	2.85	3.27
C	5.59	6.22
D	7.75	8.13
E	1.99	2.61
F	0.15	0.31
G	0.76	1.52
H	0.05	0.20

## Gi [[YghYX daX`amc ih

8C!&%( 56 fGA7L	
Dim	Min
P1	9.9
P2	3.84
Q1	3.03
Q2	3.82



**8]gW'a]a Yf**

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