

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 _{RRM}	V	50	100	150	200	300	400	500	600	800
Maximum RMS Voltage	V _{RMS}	V	35	70	105	140	210	280	350	420	560
Maximum DC blocking Voltage	V _{DCD}	35 100 150 200 300 400 500 600 800									
Forward Surge Current (Non	a	A	3.0								

-XQFWLRQ WHP SHUDWXUH		7 M	-55 ~ +150
-----------------------	--	-----	------------

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 _F	V	I _{FM} =3.0A	0.95			1.3	1.7	1.85			
Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A	35								
Maximum DC reverse current at rated DC blocking voltage	I _R	μA	T _j =25	5								
			T _j =125	100								
Typical junction capacitance	C _j	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 _{J-A} ⁽¹⁾	/W	50								
	R _{J-L} ⁽¹⁾		16								
	R _{J-C} ⁽¹⁾		12								

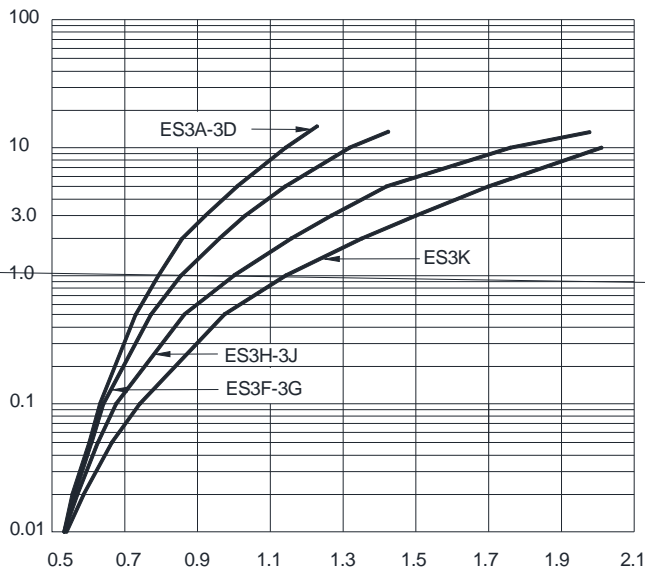
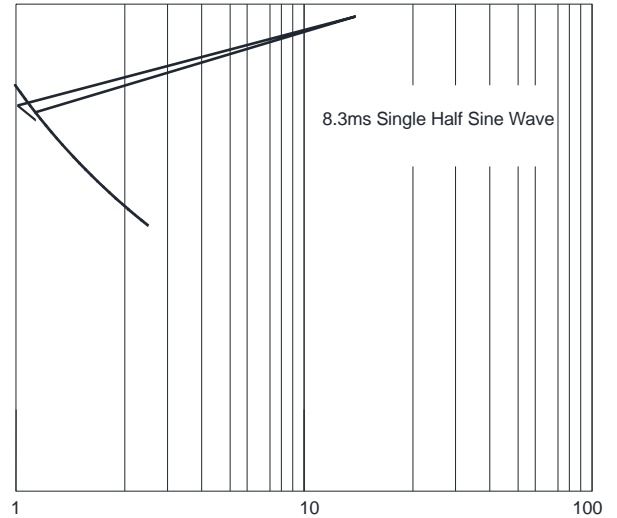
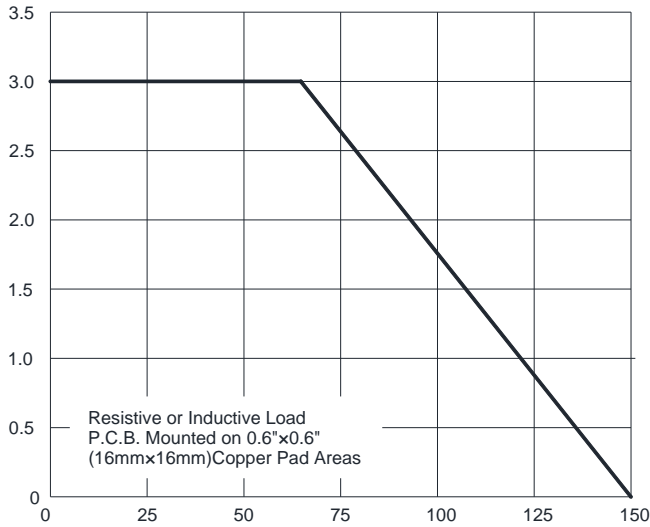
Note (1)

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

CfXyfb [-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

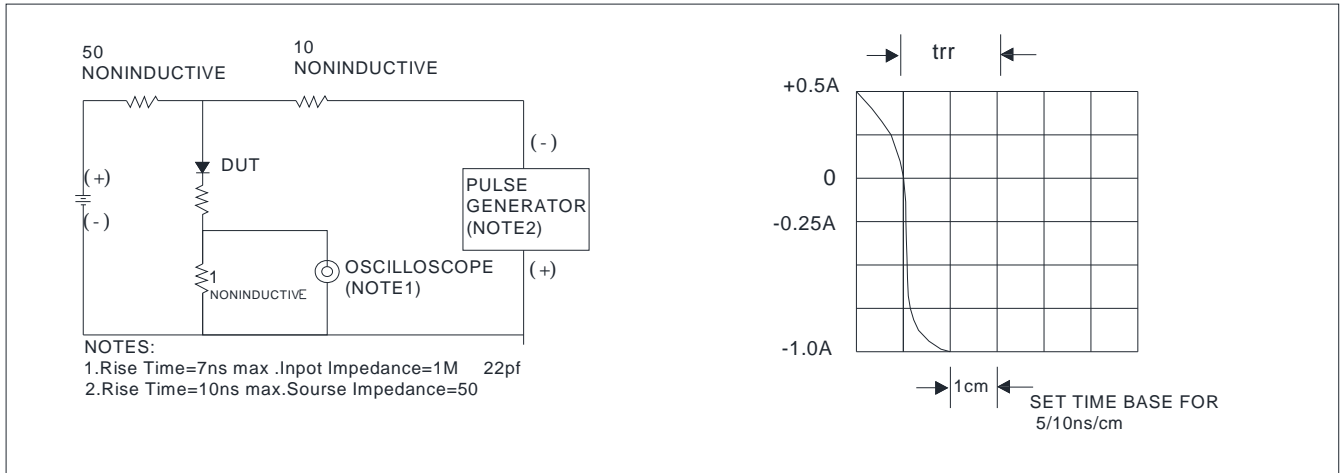
7 \afaWhYf]gh]Wg (Typical)





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

∴;'): 8]a[fa a cZ W]fwi]h abX HYgh]b[kajY Zcfa 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

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.