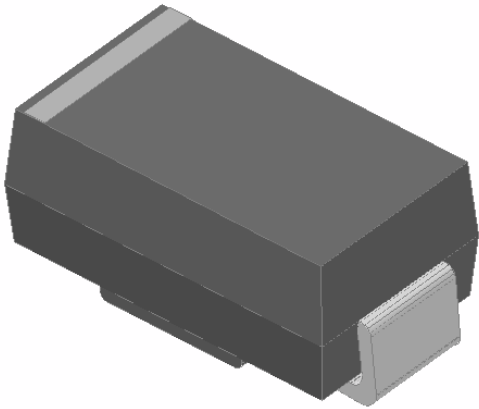
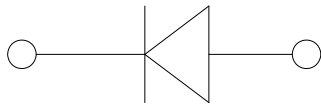


Gi fZUWY'Ac i bh'<][ \ '9ZZ]W]Ybh'FYWh]Z]Yf'



.....:YUhi fYg''''

- Low profile package
- Ideal for automated placement
- UL 94 V-0 flammability rating, RoHS-compliant



HYf a ]bU'g: Tin plated 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 (Ta=25 Unless otherwise specified)

D5F5A9H9F'	GMA6C@	IB-H'	IG%5	IG%6	IG%8	IG%:'	IG%;'	IG%>'	IG%?	IG%A
Device marking code			US1A	US1B	US1D	US1F	US1G	US1J	US1K	US1M
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	300	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	210	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	300	400	600	800	1000

Average rectified output current  
@60Hz sine waN @1ms, square wave, 1 cycle, Tj=25

60

Current squared time @1ms t8.3 ms Tj=25 Rating of per diode	I <sup>2</sup> t	A <sup>2</sup> s	3.735		
Typical junction capacitance @ Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	Cj	pF	15	10	7
Storage temperature	Tstg		-55 ~ +150		
Junction temperature	Tj		-55 ~ +150		



# IG%5'H<FI'IG%A

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

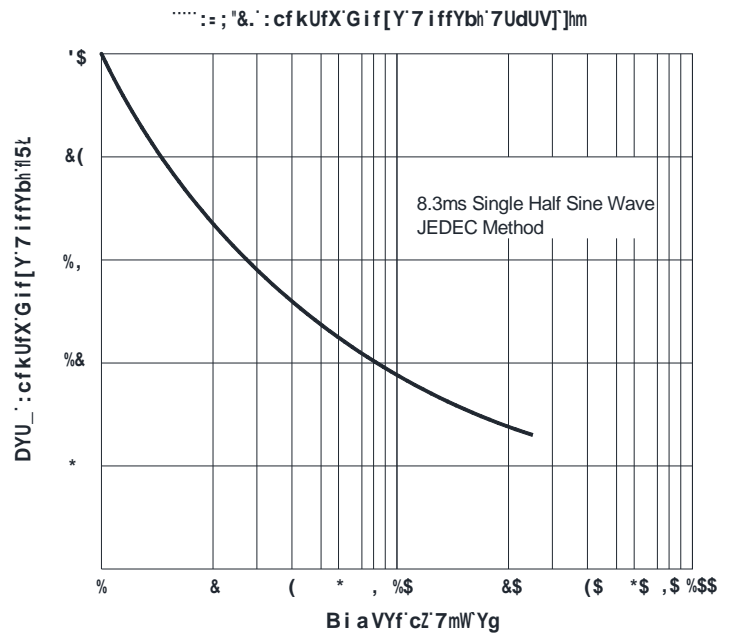
D5F5A9H9F'	GMA6C@'	IB=H'	H9GH' 7CB8-H:CBG	IG%5	IG%6	IG%8	IG%:	IG%;'	IG%>'	IG%?	IG%A
Maximum instantaneous forward voltage drop per diode	V <sub>F</sub>	V	I <sub>FM</sub> =1.0A	1.0		1.3		1.7			
Maximum reverse recovery time	t <sub>r</sub>	ns	I <sub>F</sub> =0.5A, I <sub>R</sub> =1.0A, I <sub>r</sub> =0.25A	50					75		
Maximum DC reverse current at rated DC blocking voltage per diode	I <sub>R</sub>	μA	T <sub>j</sub> =25	5							
			T <sub>j</sub> =125	100							

H\Yf a U'7\UfUWhYf]gh]Wg'(T<sub>a</sub>=25 Unless otherwise specified)

D5F5A9H9F'	GMA6C@'	IB=H'	IG%5	IG%6	IG%8	IG%:	IG%;'	IG%>'	IG%?	IG%A
Typical Thermal resistance	R <sub>J-A</sub> <sup>(1)</sup>	/W	70							
	R <sub>J-L</sub> <sup>(1)</sup>		25							
	R <sub>J-C</sub> <sup>(1)</sup>		20							

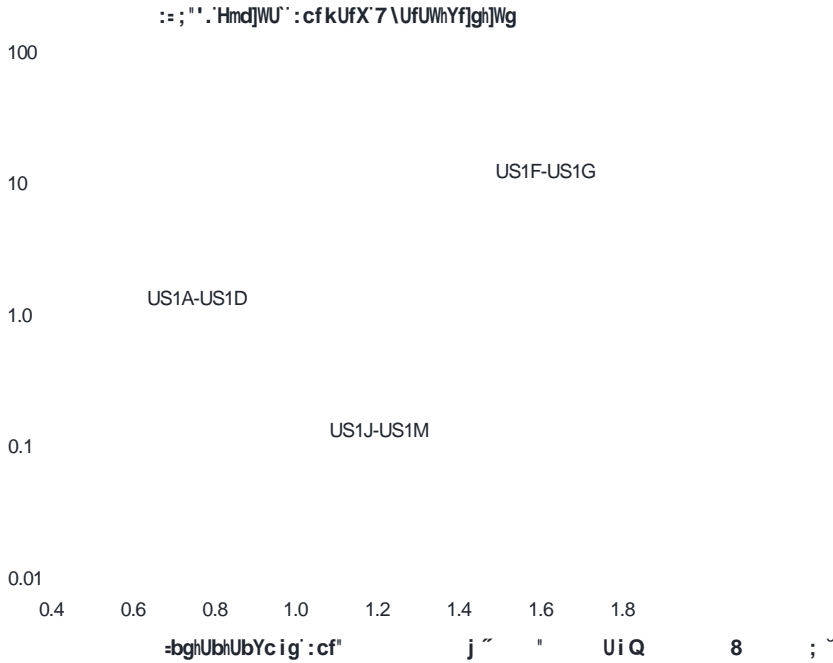
Note  
 (1) Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

7\UfUWhYf]gh]Wg'(Typical)

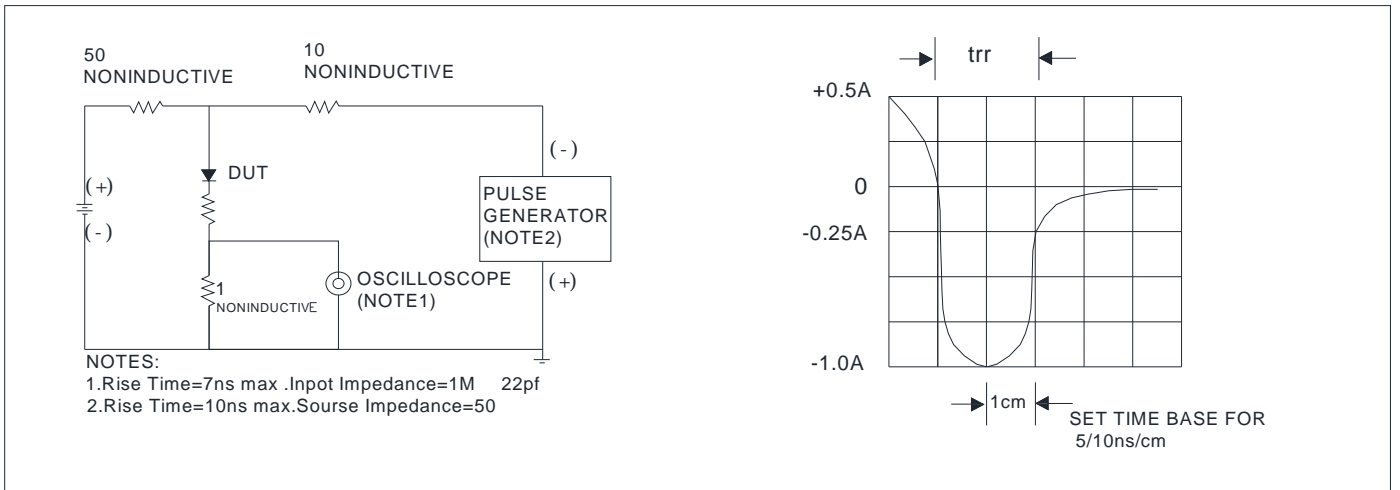




# IG%5'H<FI'IG%A



Additional text or labels for the graph.



## CfXYf]b[ :bZcf a Uh]cb (Example)

DF9:9F98' D#B'	D57?5;9' 7C89'	IB-H'K9=:<Hfl[L'	A-B-AIA' D57?5;9fidWgl'	=BB9F'6CL' EI5BH-HMfidWgl'	CIH9F'75FHCB' EI5BH-HMfidWgl'	89@-J9FM' AC89'
US1A-US1M	F1	Approximate 0.059	5000	/	80000	13" reel
US1A-US1M	F2	Approximate 0.059	7500	/	120000	13" reel
US1A-US1M	F3	Approximate 0.059	7500	/	60000	13" reel
US1A-US1M	F4	Approximate 0.059	1800	14400	57600	7" reel
US1A-US1M	F5	Approximate 0.059	2000	16000	64000	7" reel
US1A-US1M	F6	Approximate 0.059	5000	/	100000	13" reel



Cih`bY'8]aYbg]cbg`

8C!&% (57fGA5L'		
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	1.70	2.10

'Gi [[YghYX'DUX'@Umc ih'

8C!&% (57fGA5L'	
8]a'	A]`]aYhYfg'



8]gW`U]aYf`

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