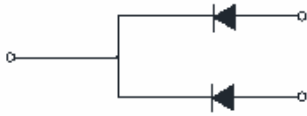


Adopt FRED chip
 Low forward Voltage drop
 Fast reverse recovery time
 High frequency operation
 High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
 Guard ring for enhanced ruggedness and long term reliability

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.



: TO-263

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

: Tin plated leads, solderable per J-STD-002 and JESD22-B102

: As marked

(T_j=25 Unless otherwise specified

	IFSM	A	100
Current Squared Time @1ms t 8.3ms T _j =25	I ² t	A ² s	41
Storage Temperature	T _{stg}		-55 ~ +175
Junction Temperature	T _j		-55 ~ +175
Typical Junction capacitance @4V,1MHz	C _j	pF	70

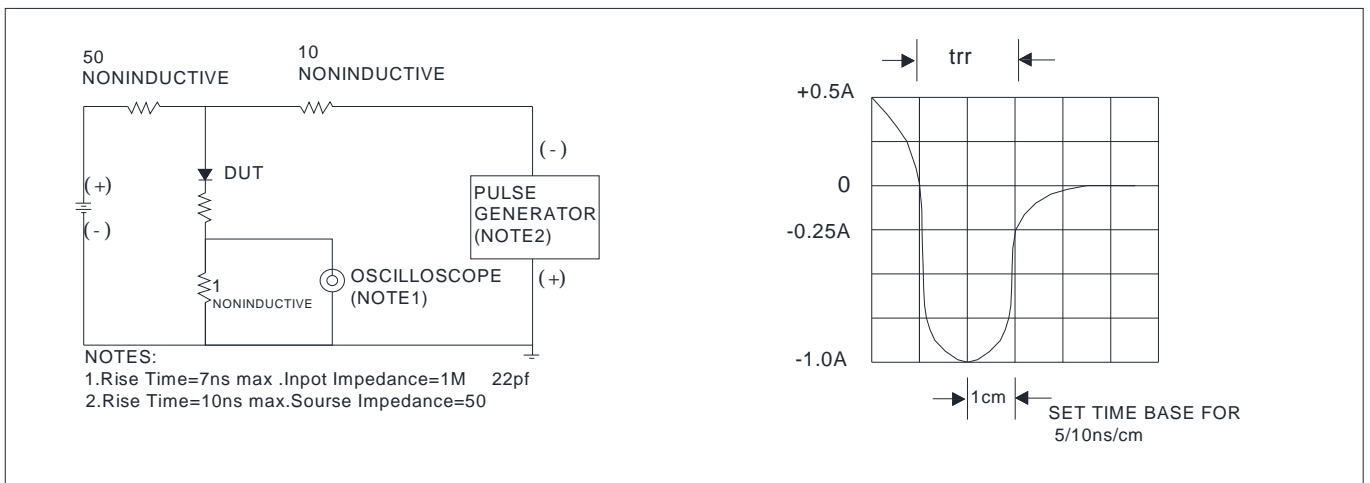
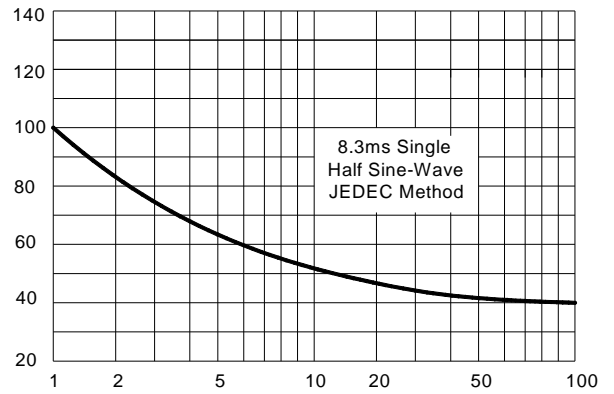


	Symbol	Unit	Test Conditions	Min	Typ	Max
Instantaneous forward voltage drop per diode	V_{FM}	V	IFM=8.0A @Tj=25	-	0.90	1.0
			IFM=8.0A @Tj=150	-	0.78	0.9
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	uA	VRM=VRRM Tj=25	-	-	5
	I_{RRM2}		VRM=VRRM Tj=150	-	20	50
Reverse Recovery Time	T_{rr}	ns	IF=0.5A I _{RM} =1A I _{RR} =0.25A Tj=25	-	25	35

IF=8A
di/dt=-200A/us
V

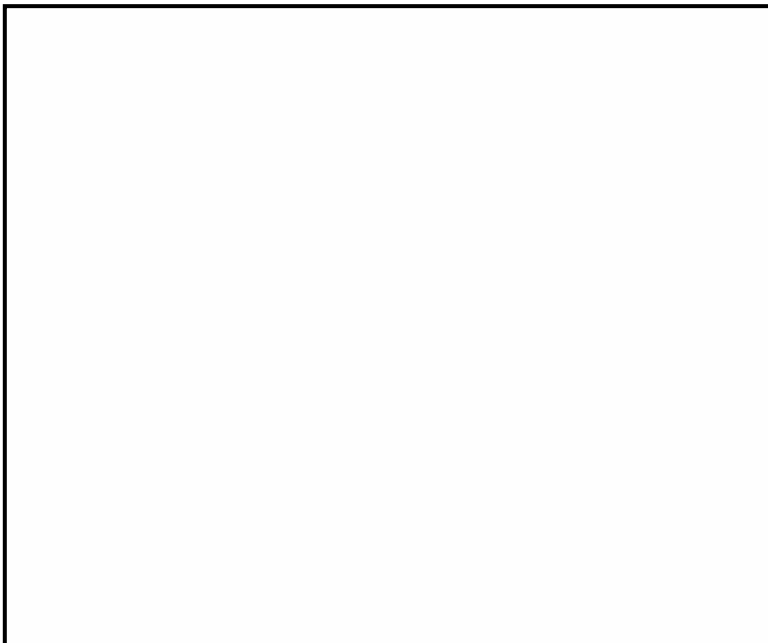


(Typical)





Dim	Min	Max
A	9.5	11.5
B	9.7	10.5
C	8.4	9.0
D	0.28	0.64
E	0.68	0.94
F	4.55	5.6
G	4.04	5.10
H	1.14	1.4
I	0	0.2
J	4.9	6.05
K	1.79	2.79
L	7.3	7.9
M	6.2	6.8
N	7.6	8.2



A	12.7
B	9.4
C	16.6
P	5.08
Q1	3.8
Q2	



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://>

on

MM