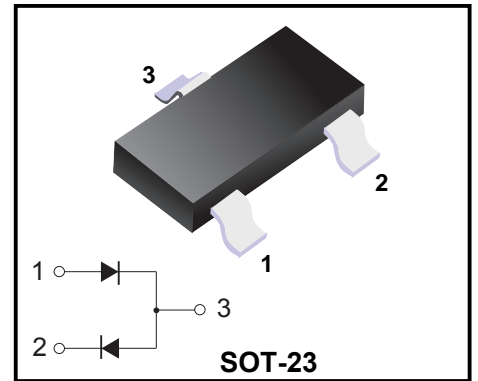


■ Switching Diodes

FEATURES

- Ultra high speed switching
- High reliability



Marking Code	
DAN217	A7.

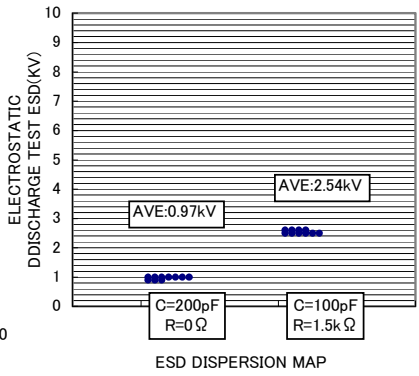
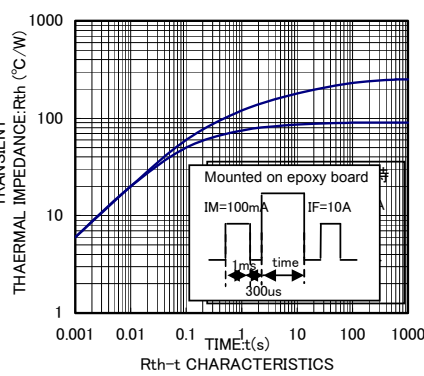
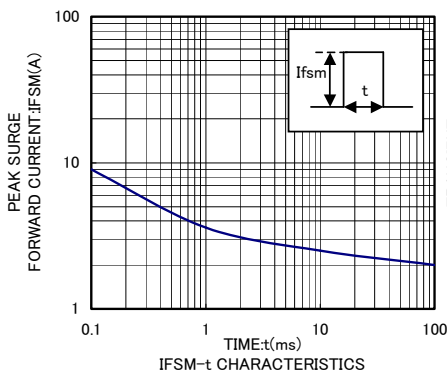
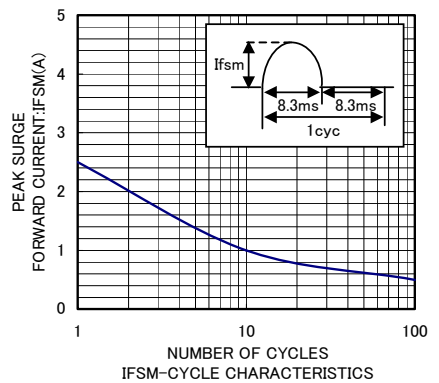
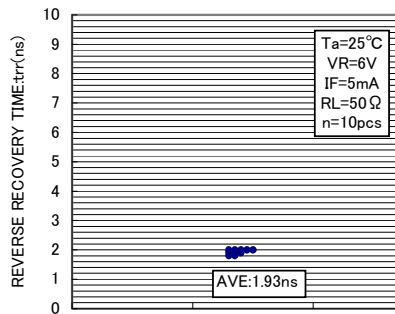
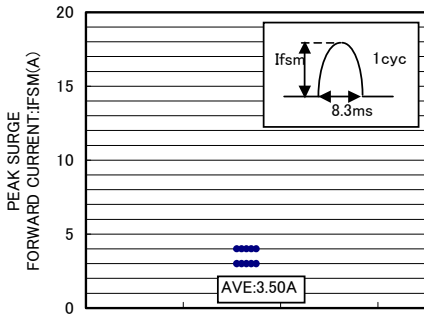
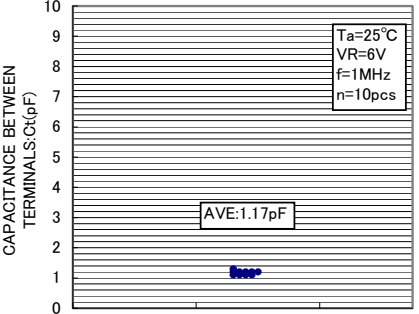
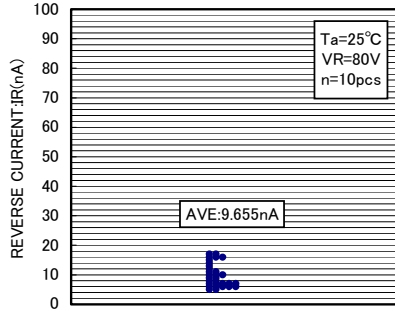
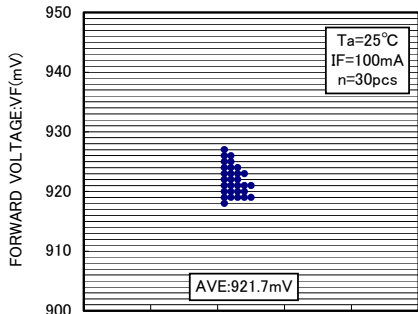
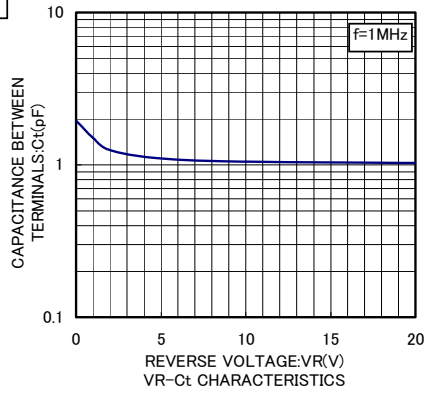
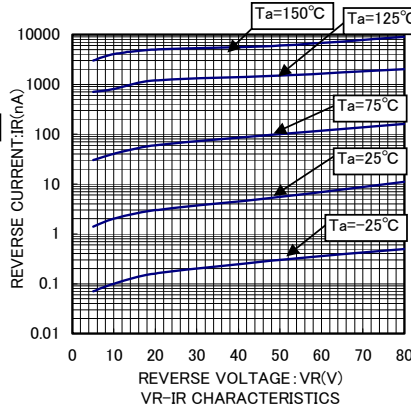
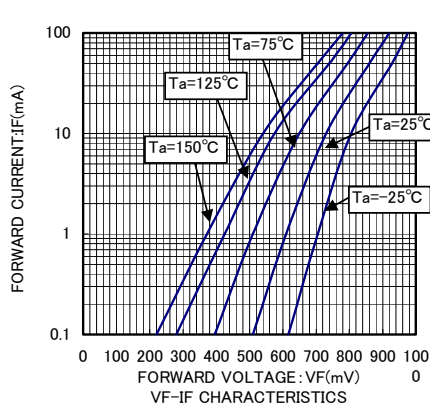
Maximum Ratings @T_A=25°C

Parameter	Symbol	Rating	Unit
Reverse Voltage	V _{RM}	80	V
Reverse Voltage (DC)	V _R	80	
Average rectified forward current (Single)	I _o	100	mA
Forward Current (Single)	I _{FM}	300	
Surge current (t=1us)	I _{surge}	4	A
Power Dissipation	P _d	200	mW
Junction Temperature	T _J	150	°C
Storage Temperature range	T _{stg}	-55 to 150	

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V _R	I _R = 100 uA	80			V
Forward voltage	V _F	I _F = 100 mA			1.2	
Reverse voltage leakage current	I _R	V _R = 70 V			0.1	uA
Capacitance between terminals	C _t	V _R = 6 V, f= 1 MHz			3.5	pF
Reverse recovery time	t _{rr}	V _R =6V, I _F =5mA, R _L =50Ω			4	ns

Typical Characteristics



Ordering information

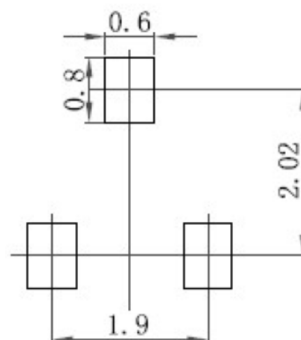
Package	Packing Description	Base Quantity	Packing Quantity
SOT-23	Tape/Reel, 7" reel	3000 pcs/Reel	24000 PCS/Box 120000 PCS/Carton

Package Dimensions

SOT-23

Dim.	Millimeter (mm)		mil	
	Min.	Max.	Min.	Max.
A	0.9	1.15	35	45
A1	0.1		3.9	
bp	0.38	0.48	15	19
C	0.09	0.15	3.54	5.9
D	2.8	3.0	110	118
E	1.2	1.4	47	55
E	1.9		75	
E1	0.95		37	
HE	2.1	2.55	83	100
Lp	0.15	0.45	5.9	18
Q	0.45	0.55	18	22
v	0.2		7.9	
W	0.1		4	

The recommended mounting pad size



Disclaimer

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics 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), YFW 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 <https://www.yfwdiode.com>, or consult YFW sales office for further assistance.