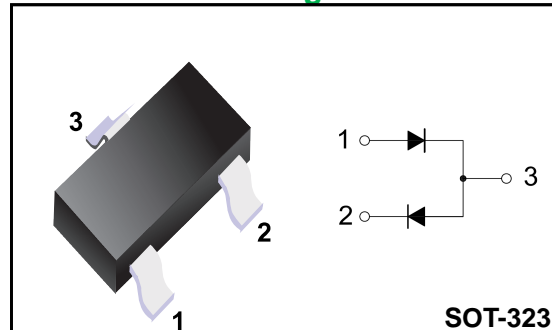


■ Switching Diodes

■ Features

- Ultra high speed switching
- High reliability

Pinning



Marking Code

DAN217U	A7.
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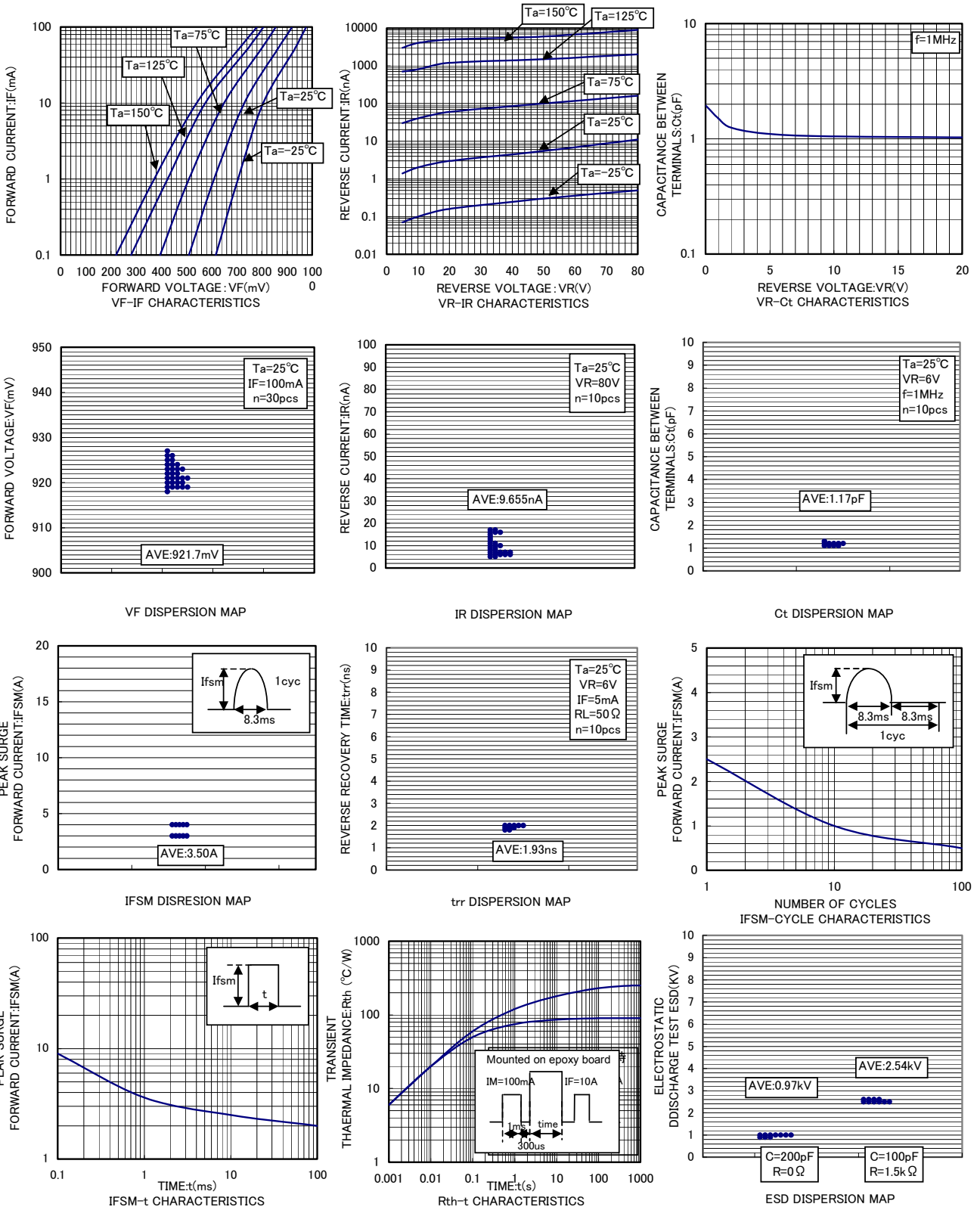
■ Absolute Maximum Ratings Ta = 25°C

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 Ta = 25°C

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

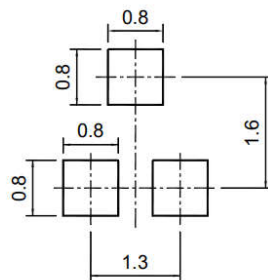
Package	Packing Description	Base Quantity	Packing Quantity
SOT-323	Tape/Reel, 7" reel	3000pcs/Reel	24000PCS/Box 120000PCS/Carton

Package Dimensions

SOT-323

Dim.	Millimeter (mm)		mil	
	Min.	Max.	Min.	Max.
A	0.8	1.1	32	43
A1	0.1		4	
bp	0.3	0.4	12	16
C	0.10	0.25	4	10
D	1.8	2.2	71	87
E	1.15	1.35	45	53
E	1.3		51	
E1	0.65		26	
HE	2.0	2.2	79	87
Lp	0.15	0.45	6	18
Q	0.13	0.23	5.1	9
v	0.2		8	
W	0.2		8	

The recommended mounting pad size



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