



Dual Switching Diode



Features

Moisture sensitivity level 1
Reverse voltage 80V
Average forward current 100mA

Application

Signal switching
High frequency rectifier

Mechanical data

Package SOT-323

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

■ Maximum Ratings (T_a=25 Unless otherwise specified)

Parameter	Symbol	Unit	Value
Device marking code			A7
Repetitive peak reverse voltage	V _{RRM}	V	80
Forward current, per leg	I _F	mA ave	10&V
	F _{SM}	A	2
Non-repetitive surge peak forward current @ t=1ms square wave			2
Power dissipation	P _D	mW	200
Junction temperature	T _J		-55 to +150
Storage temperature	T _{STG}		-55 to +150



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Parameter	Symbol	Unit	Conditions	Min	Typ	Max
Reverse voltage	V_R	V	$I_R=100\mu A$	80		
Forward voltage	V_F	V	$I_F=100mA$			1.2

Reverse leakage current I_{RZ} at $V_R=80V$ and $T=25^\circ C$



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■Characteristics

Pd-Ia Curve

Fig 2 Capacitance Capability

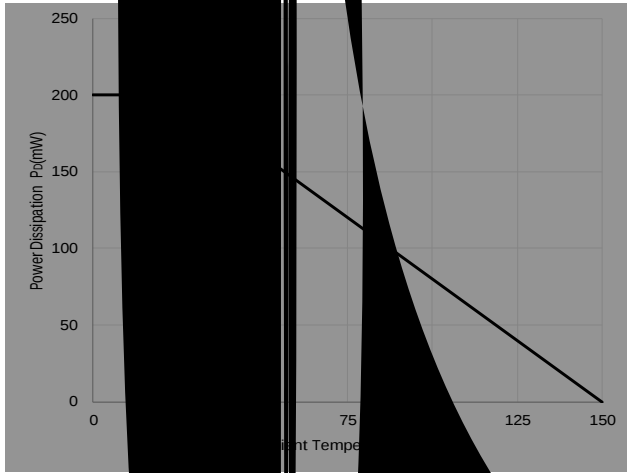
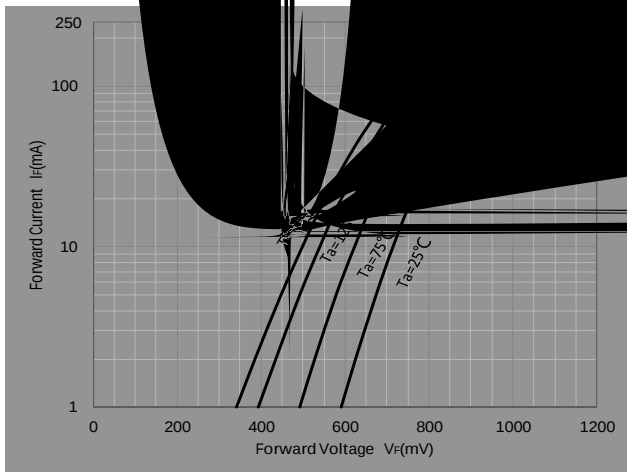


Fig 1 Forward Current





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Ordering Information

Preferred P/N	Packing code	Unit weight(g)	Minimum package(pcs)	Inner box quantity(pcs)	Outer carton quantity (pcs)	Delivery mode
DAN217U	F2	Approximate 0.005	3000	30000	120000	7" reel

Outline Dimensions

SYMBOL	DIMENSIONS			
	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A	0.035	0.043	0.900	1.100
A1	0.000	0.004	0.000	0.100
B	0.035	0.035	0.900	0.900
B1	0.000	0.000	0.000	0.000
C	0.000	0.000	0.000	0.000
D	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000
F	0.000	0.000	0.000	0.000
G	0.000	0.000	0.000	0.000
H	0.000	0.000	0.000	0.000
I	0.000	0.000	0.000	0.000
J	0.000	0.000	0.000	0.000
K	0.000	0.000	0.000	0.000
L	0.000	0.000	0.000	0.000
M	0.000	0.000	0.000	0.000
N	0.000	0.000	0.000	0.000
O	0.000	0.000	0.000	0.000
P	0.000	0.000	0.000	0.000
Q	0.000	0.000	0.000	0.000
R	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000
T	0.000	0.000	0.000	0.000
U	0.000	0.000	0.000	0.000
V	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000
X	0.000	0.000	0.000	0.000
Y	0.000	0.000	0.000	0.000
Z	0.000	0.000	0.000	0.000

Suggested Pad Layout

