



DESCRIPTION

The DAN202U is available in SC-70 Package

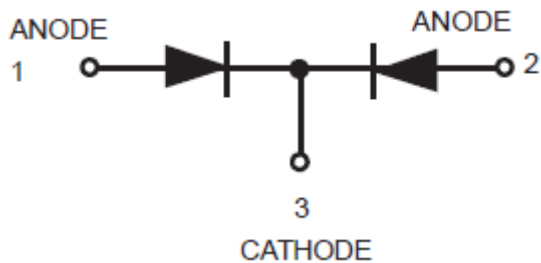
FEATURES

- Ultra high speed switching
- Suitable for high packing density layout.
- High reliability.
- Available in SC-70 Package

ORDERING INFORMATION

Package Type	Part Number
SC-70	DAN202U
Note	3,000/Reel
AiT provides all RoHS Compliant Products	

PIN DESCRIPTION





ABSOLUTE MAXIMUM RATINGS

Each Diode

V_R , Reverse Voltage		80 Vdc
I_o , Forward Current		100 mAdc
$I_{FM(surge)}$, Peak Forward Surge Current		300 mAdc
V_F , Forward voltage	$I_f = 100mA$	1.2 V
I_R , Reverse current	$V_r = 70V$	0.1 μA
C_T , Capacitance between terminals	$f = 1MHz$	3.5 pF
T_{rr} , Reverse recovery time	$V_r = 6V, I_f = 5 mA$	4 nS

Stresses above may cause permanent damage to the device. These are stress ratings only and functional operation of the device at these or any other conditions beyond those indicated in the Electrical Characteristics are not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

TYPICAL CHARACTERISTICS

Figure 1. Power attenuation curve

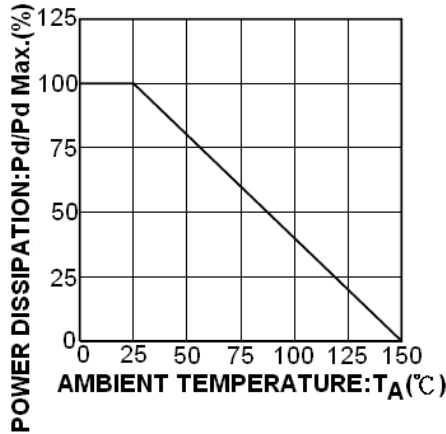


Figure 2. Forward characteristics (P Type)

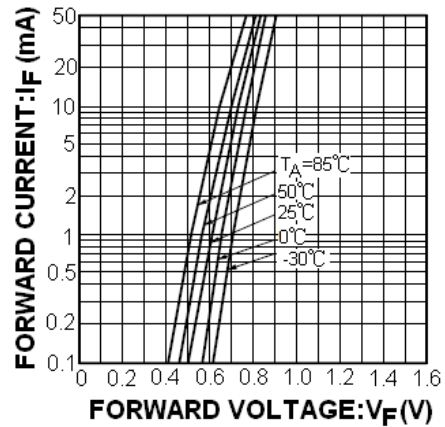


Figure 3. Reverse characteristics (P Type)

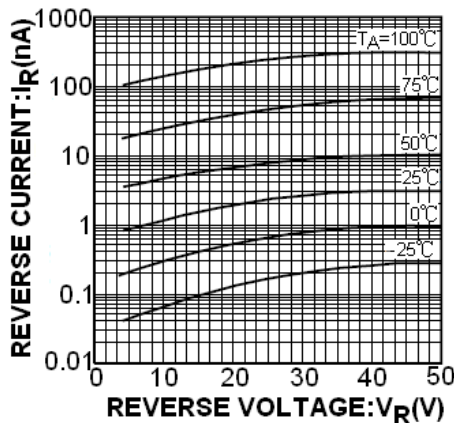


Figure 4. Forward characteristics (N Type)

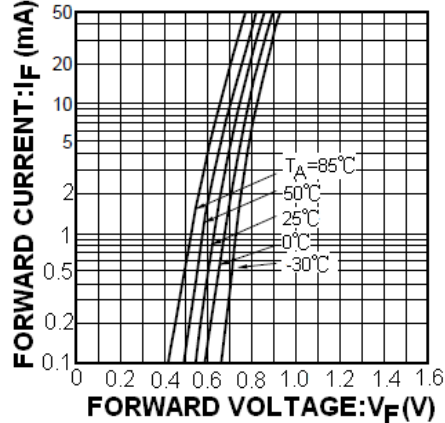


Figure 5. Reverse characteristics (N Type)

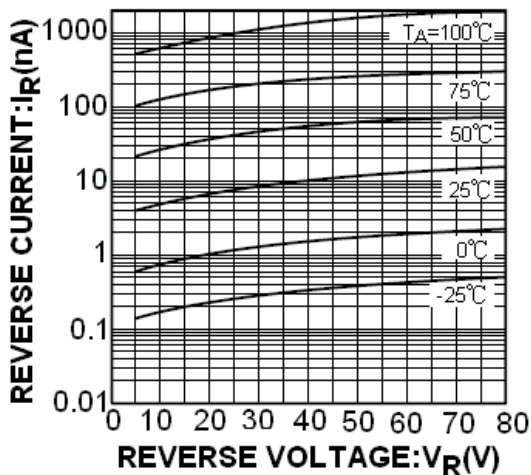


Figure 6. Capacitance between terminals characteristics

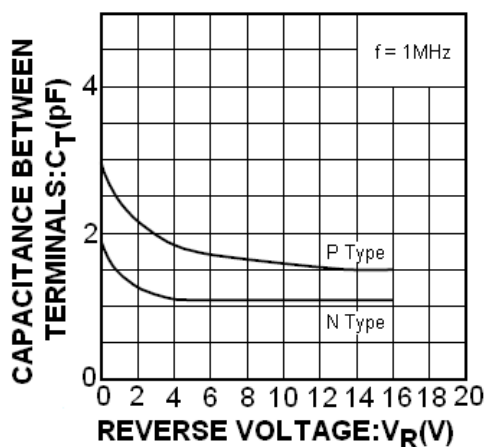


Figure 7. Reverse recovery time

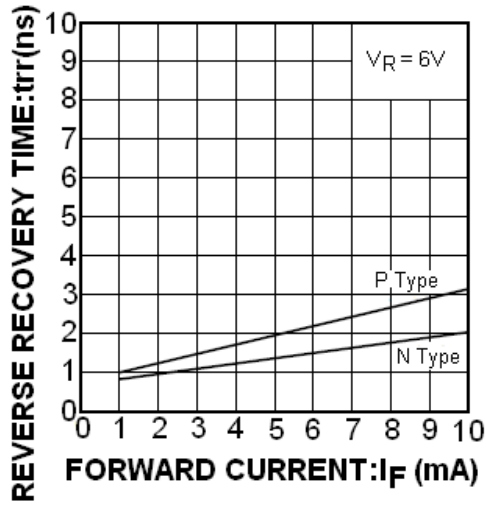
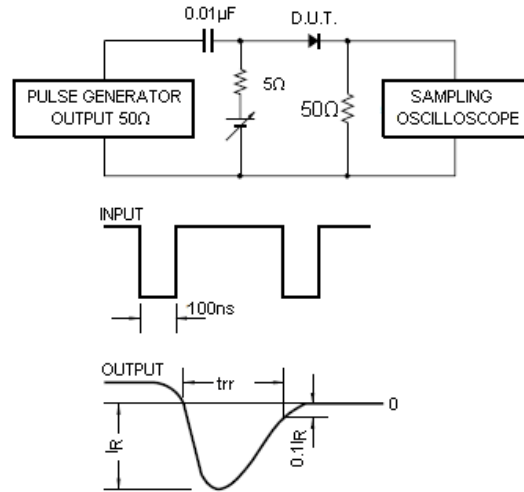


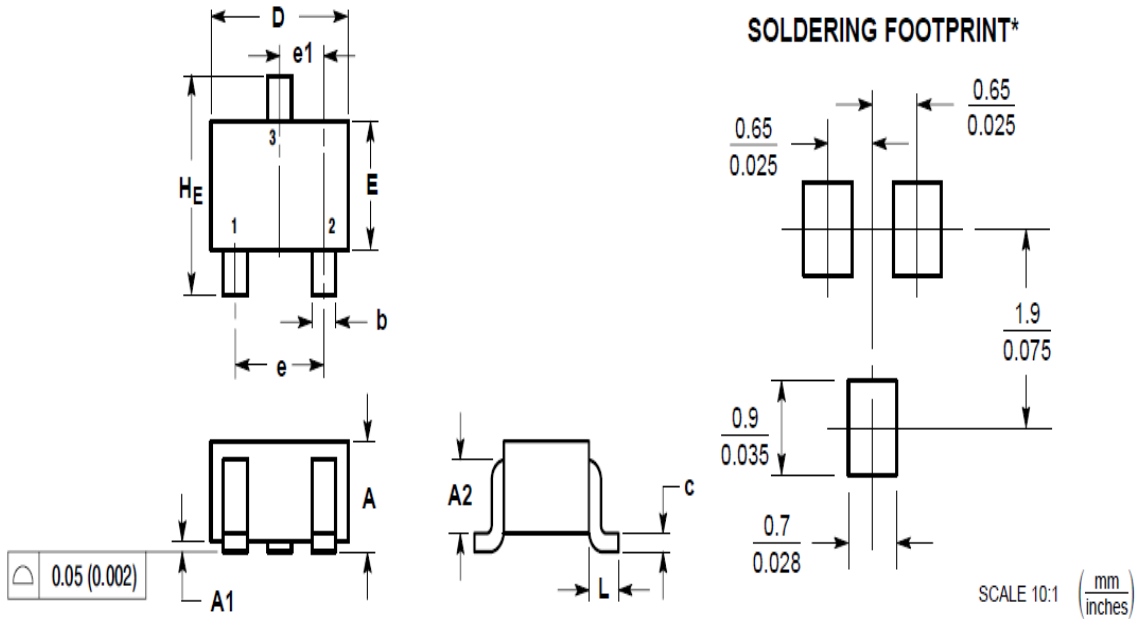
Figure 8. Reverse recovery time (t_{rr}) measurement circuit





PACKAGE INFORMATION

Dimension in SC-70 Package (Unit: mm)



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	0.80	1.00	0.032	0.040
A1	0.00	0.10	0.000	0.004
A2	0.7 REF		0.028 REF	
b	0.30	0.40	0.012	0.016
c	0.10	0.25	0.004	0.010
D	1.80	2.20	0.071	0.087
E	1.15	1.35	0.045	0.053
e	1.20	1.40	0.047	0.055
e1	0.65 BSC		0.026 BSC	
L	0.425 REF		0.017 REF	
HE	2.00	2.40	0.079	0.095



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