



## DESCRIPTION

The DAN202U is available in SC-70 Package

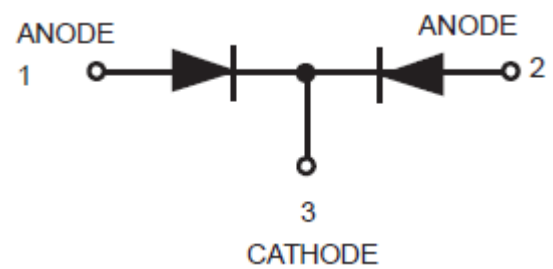
## ORDERING INFORMATION

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

## FEATURES

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

## PIN DESCRIPTION





## ABSOLUTE MAXIMUM RATINGS

Each Diode

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

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

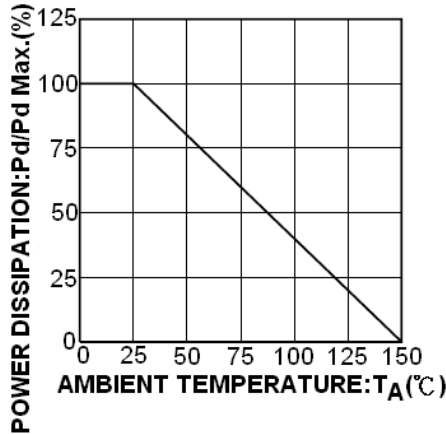


Figure 2. Forward characteristics (P Type)

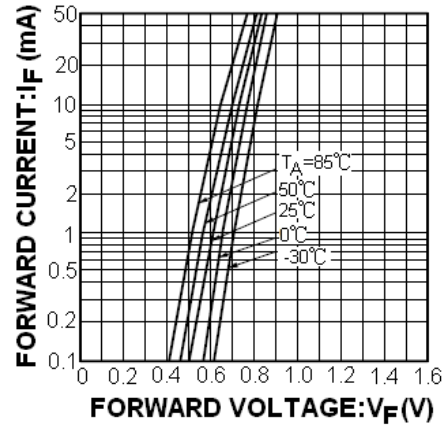


Figure 3. Reverse characteristics (P Type)

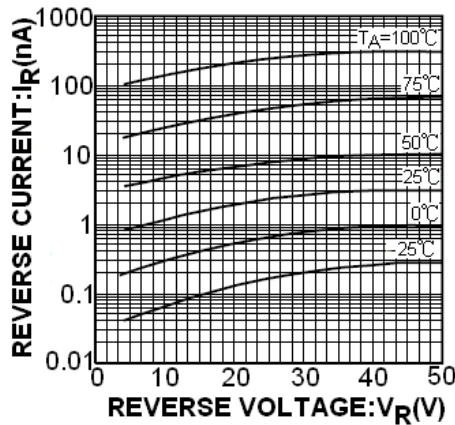


Figure 4. Forward characteristics (N Type)

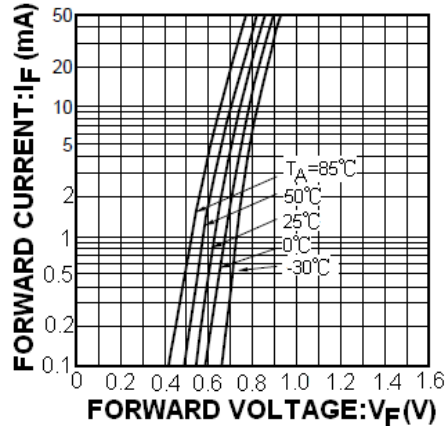


Figure 5. Reverse characteristics (N Type)

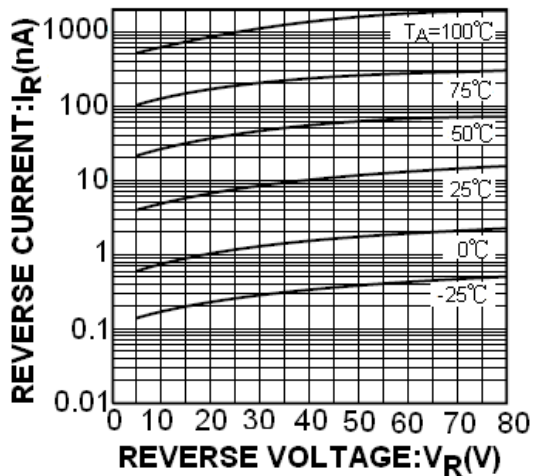


Figure 6. Capacitance between terminals characteristics

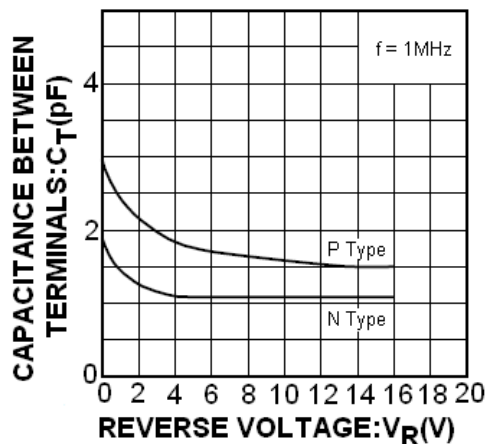


Figure 7. Reverse recovery time

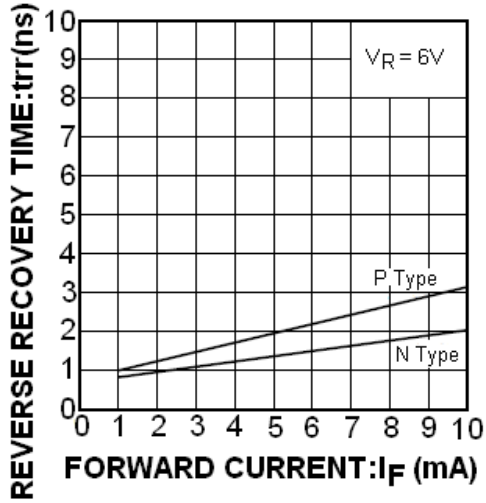
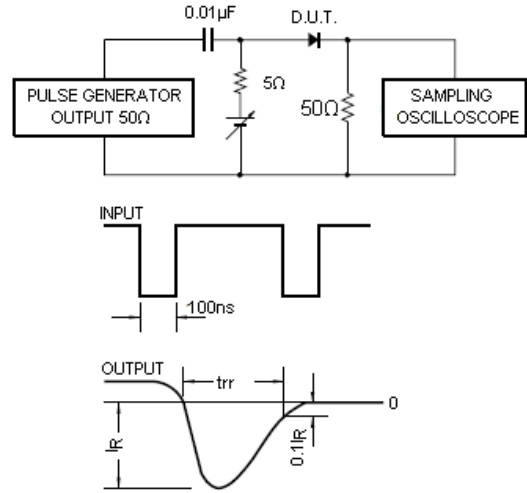


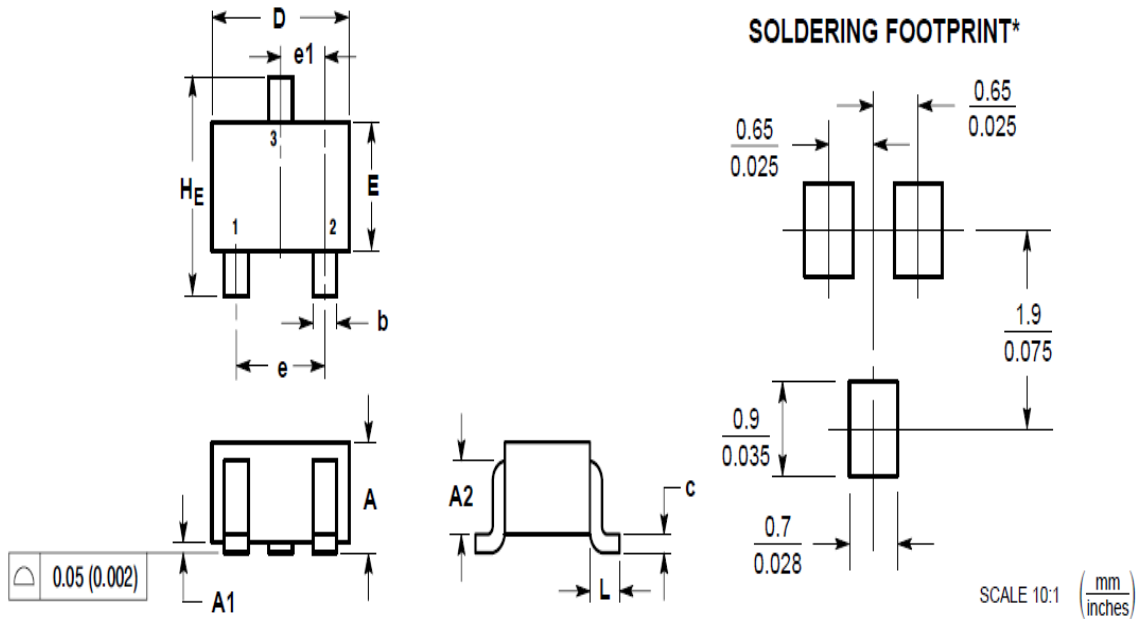
Figure 8. Reverse recovery time ( $t_{rr}$ ) measurement circuit





**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



## IMPORTANT NOTICE

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