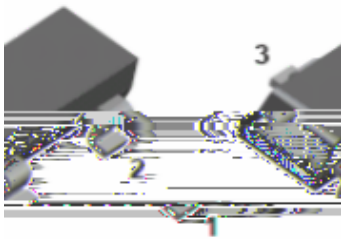
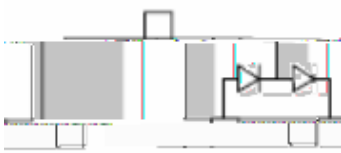


Dual Switching Diode



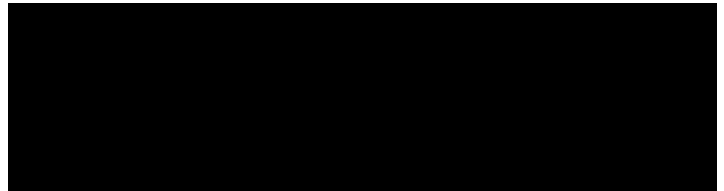
SOT-23

Features

- Moisture sensitivity level 1
- Reverse voltage 80V
- Aver

Application

- Signal switching
- High frequency rectifier



Maximum Ratings (T_a=25 Unless otherwise specified)

Parameter	Symbol	Unit	Value
Device marking code			BA1
Repetitive peak reverse voltage	V _{RRM}	V	urrent @ t=8.3ms half-sine wave

			1
Non-repetitive Surge peak forward current @ t=1ms square wave	I _{FSM}	A	1
Power dissipation	P _D	mW	200
Junction temperature	T _J		-55 to +150
Storage temperature	T _{STG}		-55 to +150



DAN217

RoHS
COMPLIANT

Electrical Characteristics (T_a=25 Unless otherwise specified)

Parameter	Symbol	Unit	Conditions	Min	Typ	Max
Reverse voltage	V _R	V	I _R =100uA	80		
Forward voltage	V _F	V	I _F =100mA			1.2
Reverse leakage current	I _R	uA	V _R =70V			0.1
Junction capacitance	C _j	pF	V _R =0V,f=1MHz			2
Reverse recovery time	T _{rr}	ns	I _F =I _R =10mA I _{rr} =0.1*I _R , R _L =100			4

Thermal Characteristics

Parameter	Symbol	Unit	Value
Thermal resistance, junction-to-ambient	R _{J-A} ⁽¹⁾	/W	625
Thermal resistance, junction-to-case	R _{J-C} ⁽¹⁾	/W	500

Note:

- 1 Device mounted on PCB, single-sided copper with standard footprint

Characteristics

Fig 1 Pb-Ta Curve

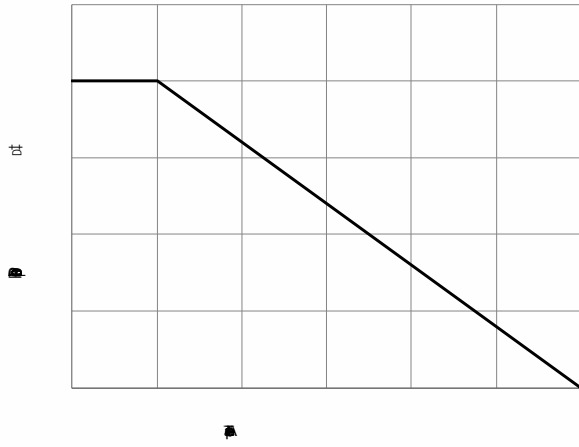


Fig 2 Capacitance Capability

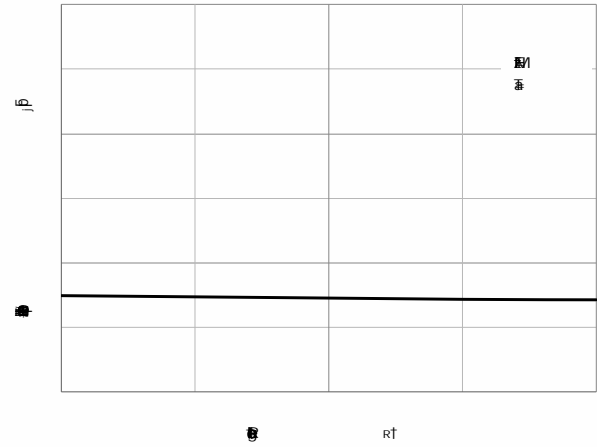


Fig 3 Typical Forward Characteristics

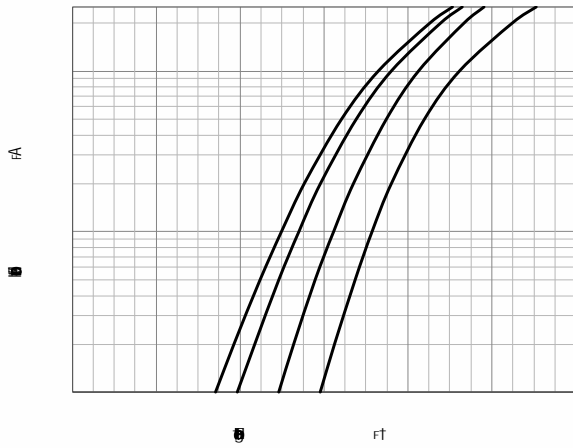


Fig 4 Typical Reverse Characteristics







Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology 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), Yangjie 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 [http:// www.21yangjie.com](http://www.21yangjie.com)