



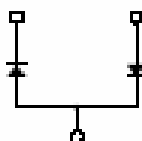
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOT-323 Plastic-Encapsulate Diodes

DAN217U SWITCHING DIODE

FEATURES

- Small surface mounting type.
- Two diode elements are connected in series



MARKING: A7

SOT-323



Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25 °C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	80	V
DC reverse voltage	V _R	80	V
Maximum (peak) forward current	I _{FM}	300	mA
Average forward current	I _O	100	mA
Surge current (10ms)	I _{FSM}	1000	mA
Power dissipation	P _D	200	mW
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55-125	°C
Operating temperature range	T _{opr}	-40-100	°C

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	V _(BR)	I _R = 100μA	80		V
Reverse voltage leakage current	I _R	V _R =70V		0.1	μA
Forward voltage	V _F	I _F =100mA		1200	mV

Typical Characteristics

DAN217U

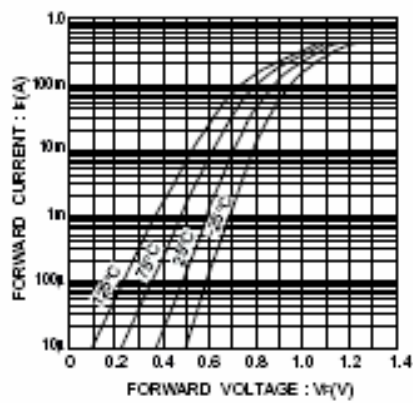


Fig.1 Forward characteristics

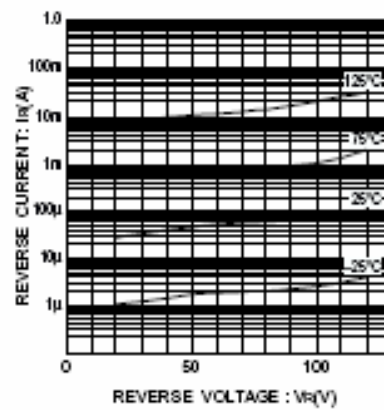


Fig.2 Reverse characteristics

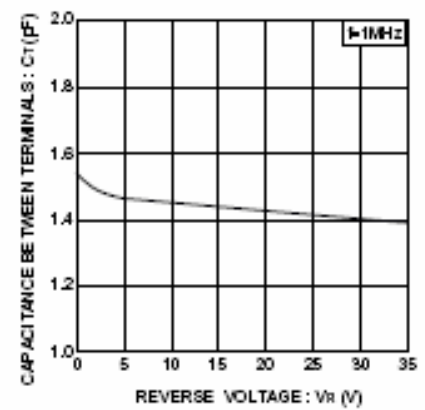


Fig.3 Capacitance between terminals characteristics