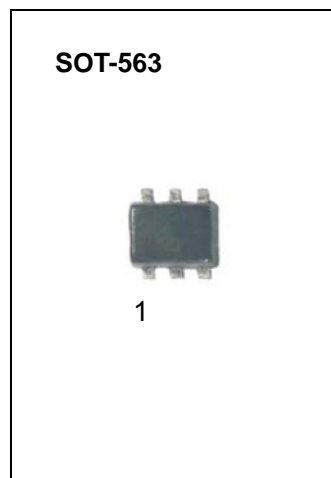
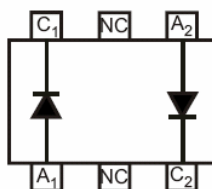


SCHOTTKY DIODE

FEATURES

- Low Forward Voltage Drop
- Fast Switching



Marking: KAN

Maximum Ratings @ $T_A=25^{\circ}\text{C}$

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	V_{RM}	40	V
DC Blocking Voltage	V_R		
Average Rectified Output Current	I_O	200	mA
Power Dissipation	P_d	150	mW
Thermal Resistance. Junction to Ambient Air	$R_{\theta JA}$	833	$^{\circ}\text{C}/\text{W}$
Junction temperature	T_J	-55-125	$^{\circ}\text{C}$
Storage temperature range	T_{STG}	-65-150	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=10\mu\text{A}$	40		V
Reverse voltage leakage current	I_R	$V_R=30\text{V}$		200	nA
Forward voltage	V_F	$I_F=1\text{mA}$ $I_F=40\text{mA}$		380 1000	mV
Total capacitance	C_T	$V_R=0, f=1\text{MHz}$		5	pF
Reverse recovery time	t_{rr}	$I_F=10\text{mA}, I_R=I_F=1\text{mA}$ $R_L=100\Omega$		5	nS

Typical Characteristics

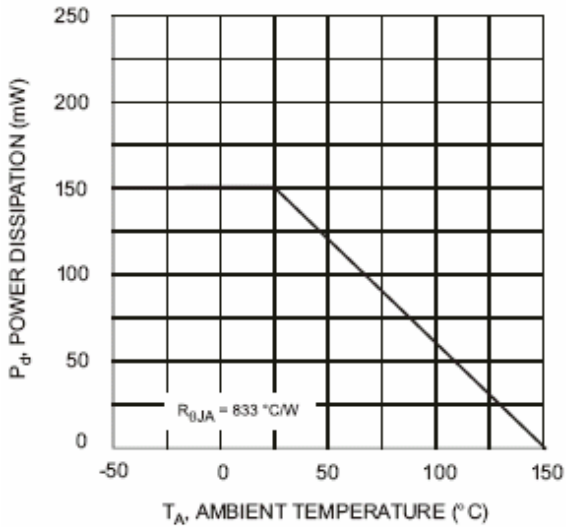


Fig. 1, Derating Curve - Total

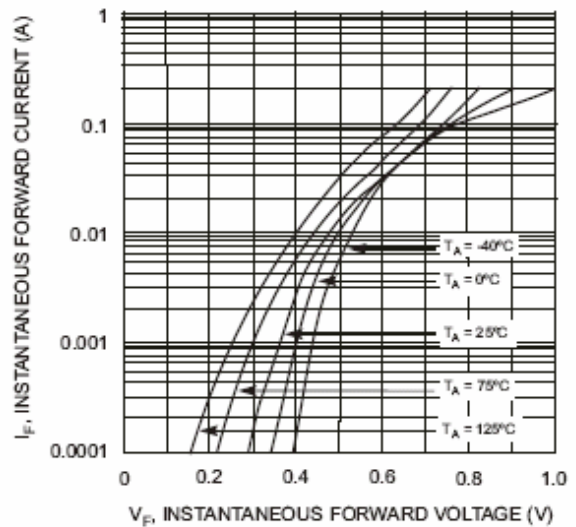


Fig. 2 Typical Forward Voltage

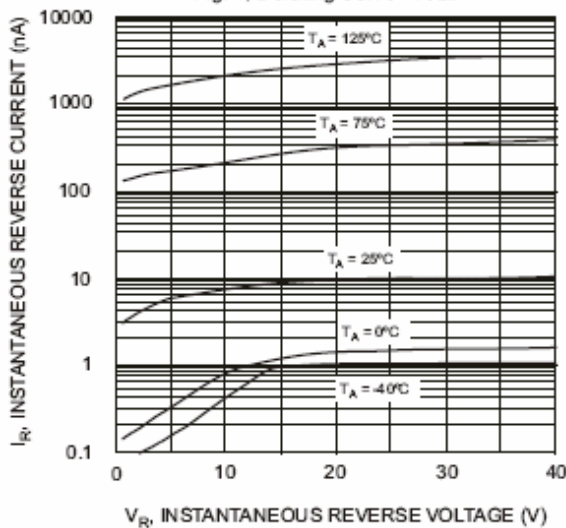


Fig. 3 Typical Reverse Characteristics

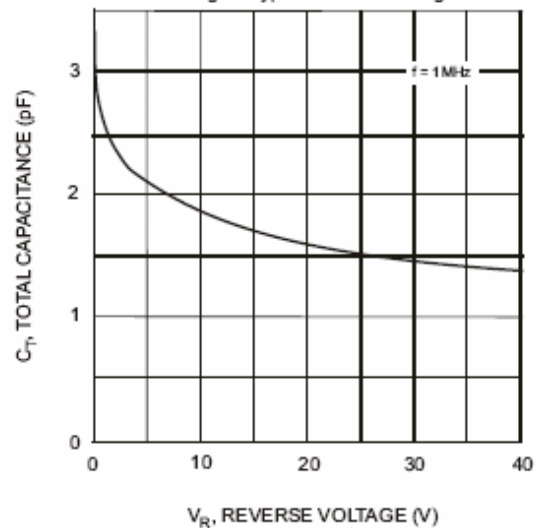


Fig. 4 Typical Capacitance