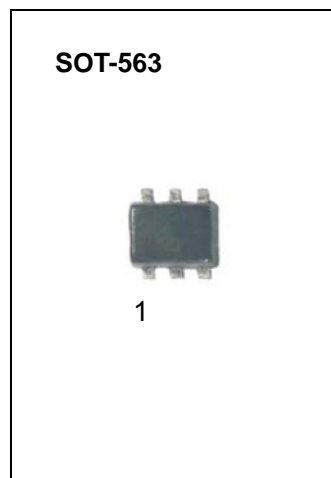
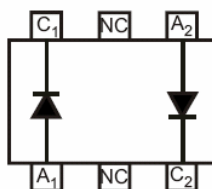


## SCHOTTKY DIODE

### FEATURES

- Low Forward Voltage Drop
- Fast Switching



Marking: KAN

### Maximum Ratings @T<sub>A</sub>=25°C

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage DC Blocking Voltage	V <sub>RM</sub> V <sub>R</sub>	40	V
Average Rectified Output Current	I <sub>O</sub>	200	mA
Power Dissipation	P <sub>d</sub>	150	mW
Thermal Resistance. Junction to Ambient Air	R <sub>θJA</sub>	833	°C/W
Junction temperature	T <sub>J</sub>	-55-125	°C
Storage temperature range	T <sub>STG</sub>	-65-150	°C

### ELECTRICAL CHARACTERISTICS (T<sub>amb</sub>=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	V <sub>(BR)</sub>	I <sub>R</sub> = 10μA	40		V
Reverse voltage leakage current	I <sub>R</sub>	V <sub>R</sub> =30V		200	nA
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =1mA I <sub>F</sub> =40mA		380 1000	mV
Total capacitance	C <sub>T</sub>	V <sub>R</sub> =0,f=1MHz		5	pF
Reverse recovery time	t <sub>rr</sub>	I <sub>F</sub> =10mA, I <sub>R</sub> =I <sub>F</sub> =1mA R <sub>L</sub> =100Ω		5	nS

Typical Characteristics

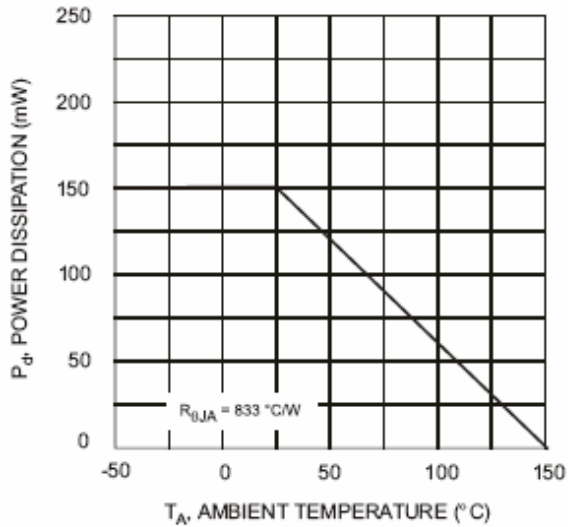


Fig. 1, Derating Curve - Total

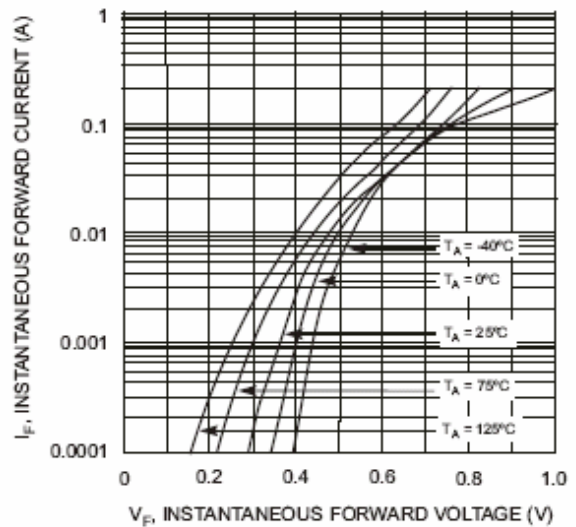


Fig. 2 Typical Forward Voltage

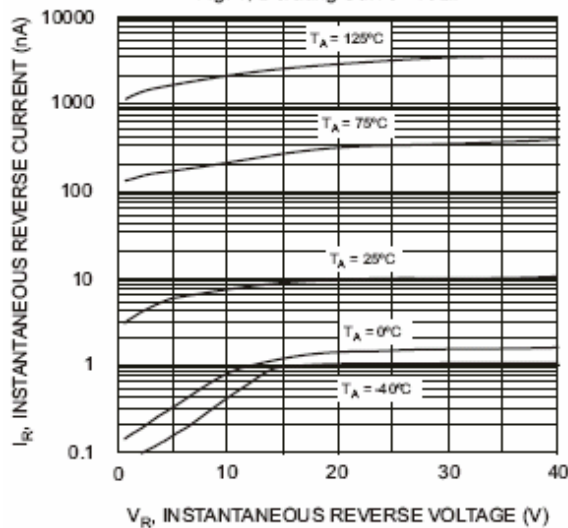


Fig. 3 Typical Reverse Characteristics

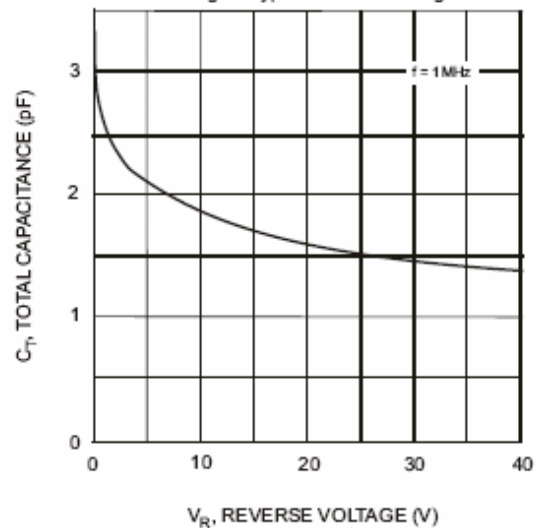


Fig. 4 Typical Capacitance