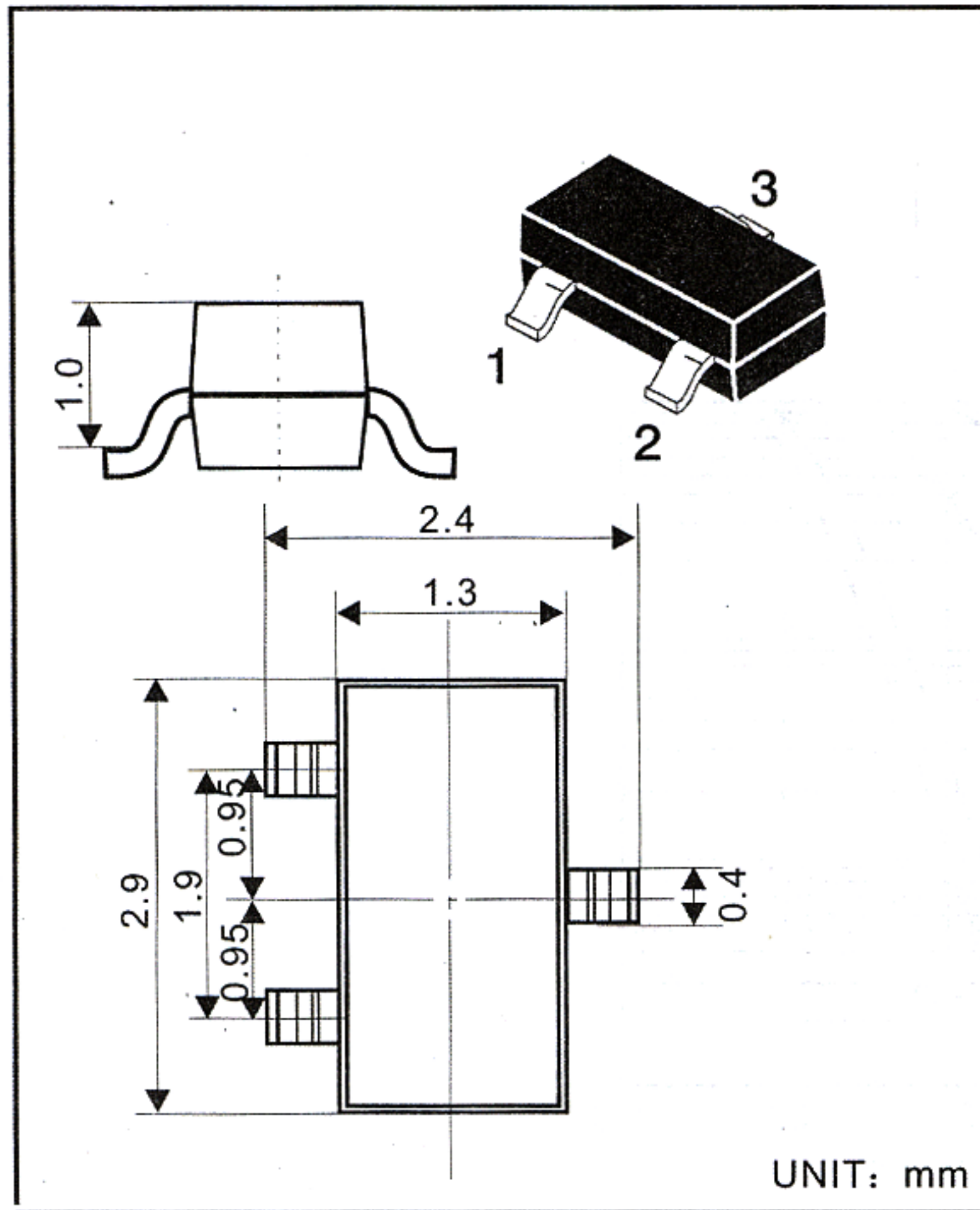


BAT54/A/C/S SCHOTTKY DIODE



FEATURES

Power dissipation

P_D : 200mW ($T_{amb}=25^\circ\text{C}$)

Forward Current

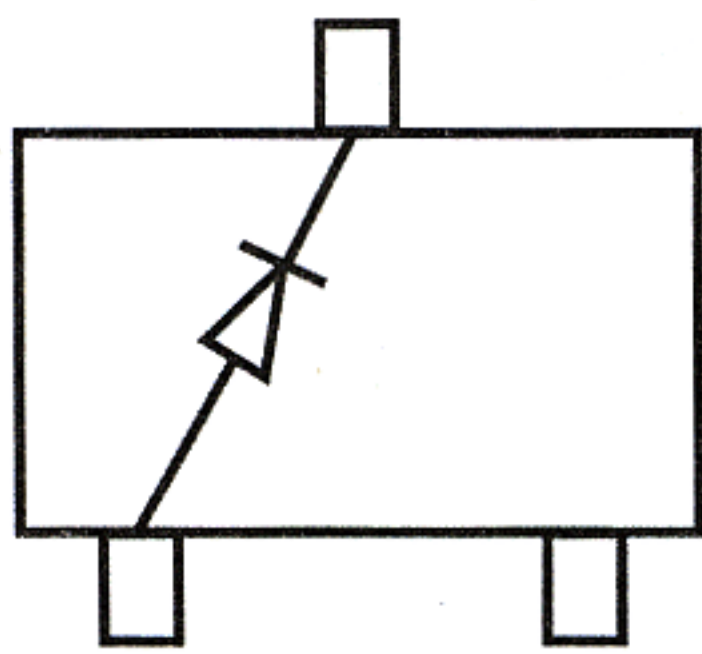
I_F : 200mA

Reverse Voltage

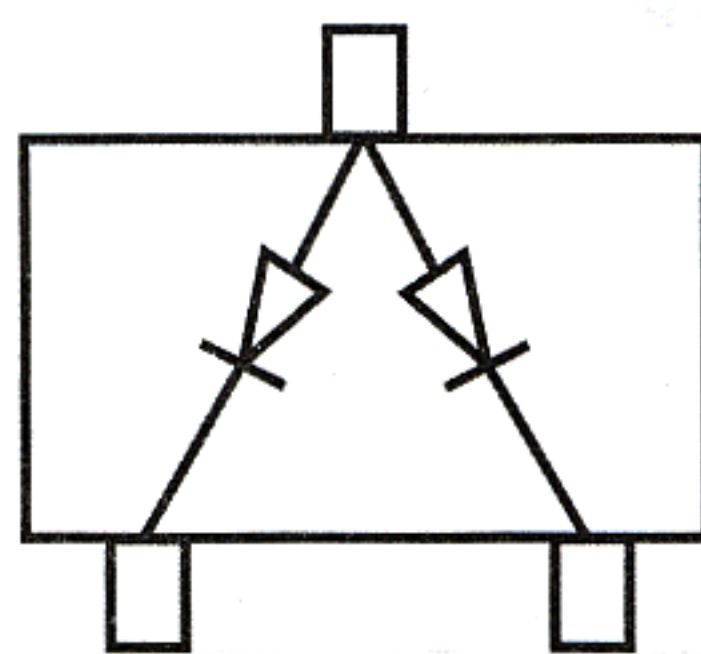
V_R : 30V

Operating and storage junction temperature range

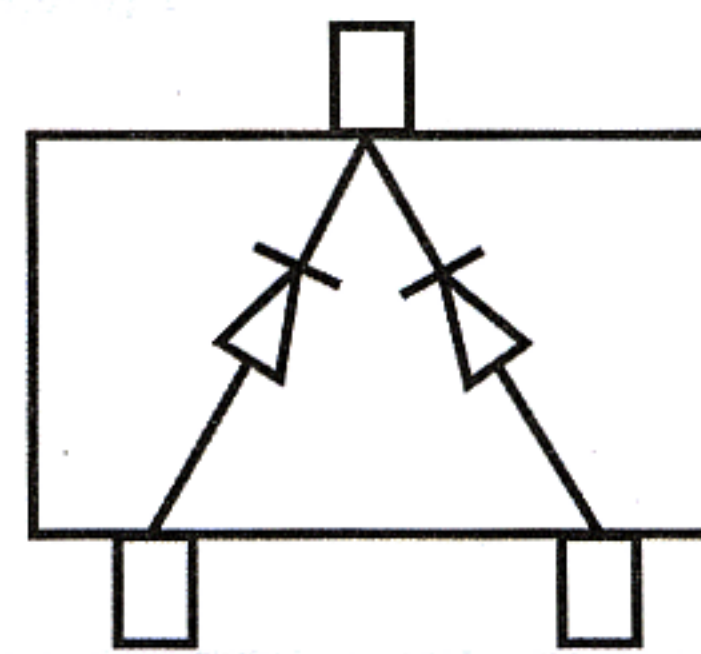
T_J, T_{stg} : -55°C to $+150^\circ\text{C}$



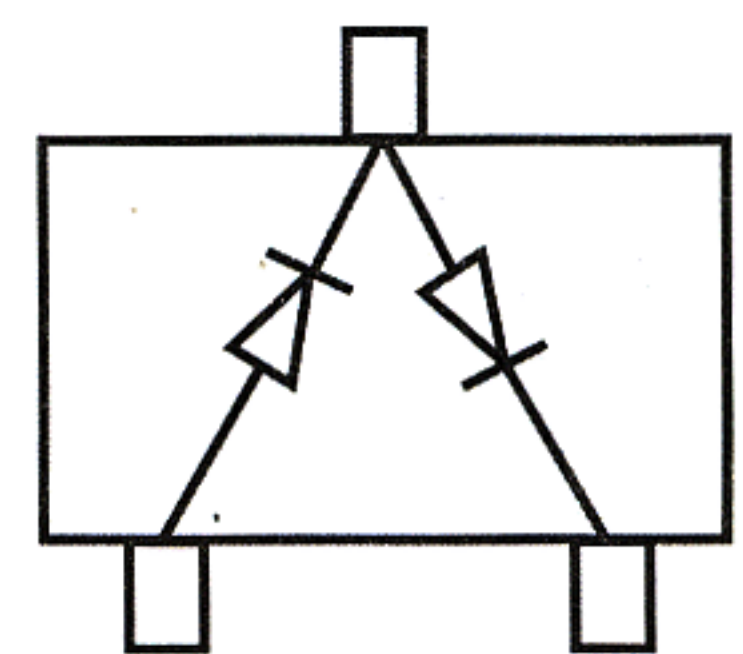
BAT54 MARKING:KL1



BAT54A MARKING:KL2



BAT54C MARKING:KL3

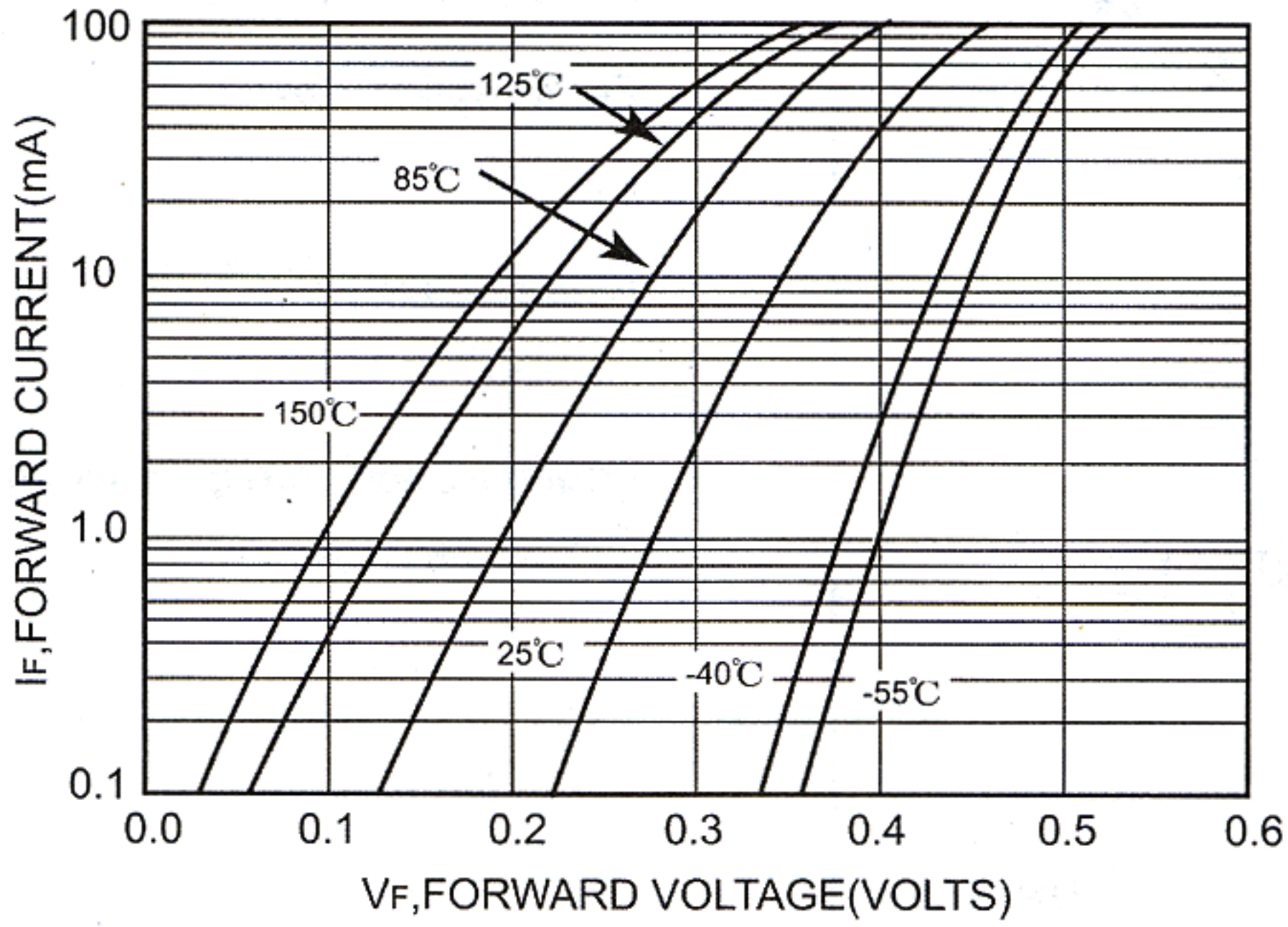


BAT54S MARKING:KL4

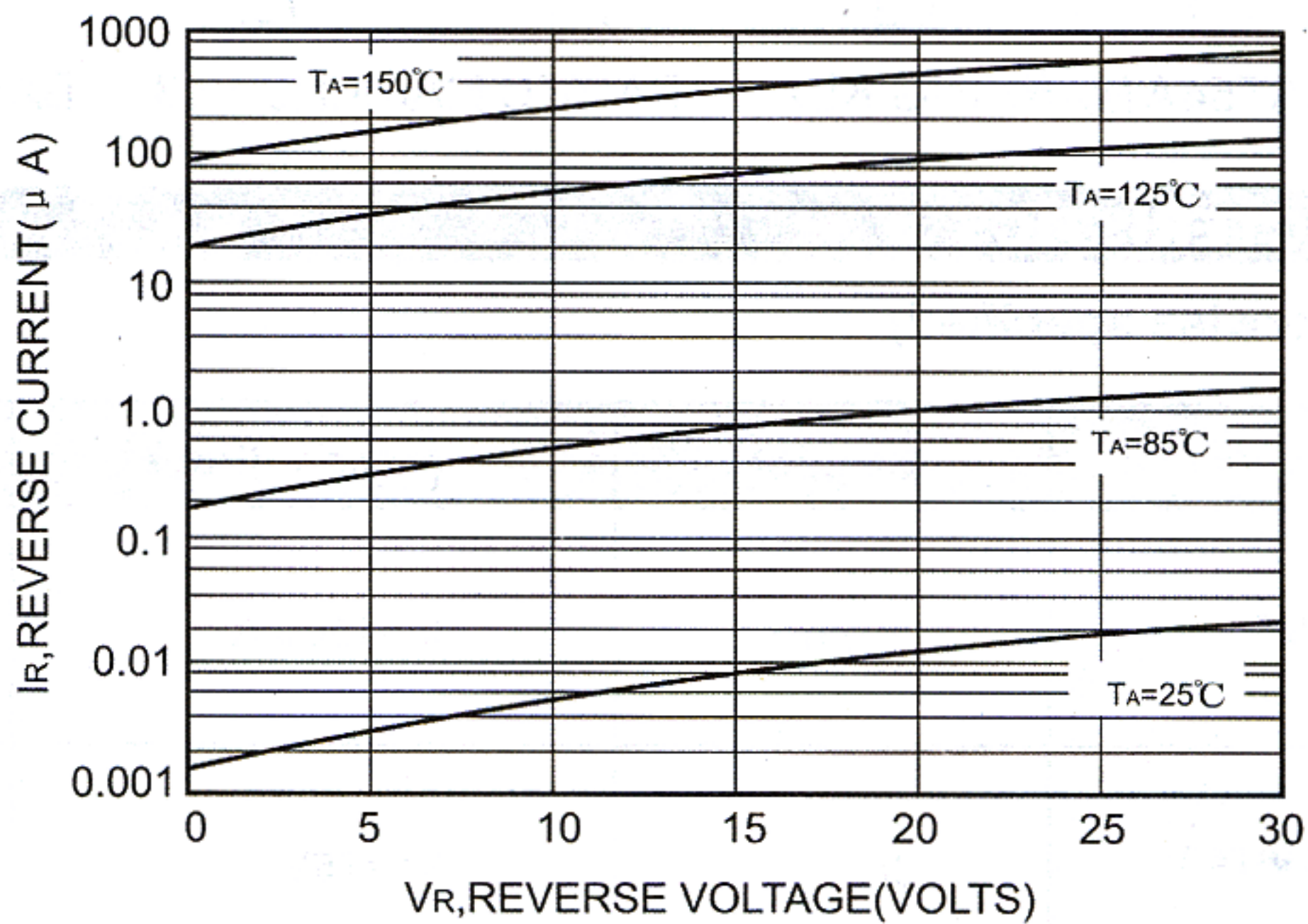
ELECTRICAL CHARACTERISTICS

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

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	30		V
Reverse voltage leakage current	I_R	$V_R=75\text{V}$		2	μA
Forward voltage	V_F	$I_F=0.1\text{mA}$ $I_F=1\text{mA}$ $I_F=10\text{mA}$ $I_F=30\text{mA}$ $I_F=100\text{mA}$		240 320 400 500 1000	mV
Diode capacitance	C_{tot}	$V_R=1\text{V}$, $f=1\text{MHz}$		10	pF
Reverse recovery time	t_{rr}	$I_F=I_R=10\text{mA}$ $I_{rr}=0.1I_R$		5	ns



Forward Voltage



Leakage Current