

## TECHNICAL SPECIFICATIONS OF SMALL SIGNAL SCHOTTKY BARRIER DIODES VOLTAGE - 30 Volts CURRENT - 0.2 Ampere



	SYMBOL	BAT85	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	30	Volts
Maximum RMS Voltage	Vrms	21	Volts
Maximum DC Blocking Voltage	VDC	30	Volts
Maximum Average Forward Rectified Current at TA=75°C	ю	0.2	Amps
Peak Forward Surge Current at t=10mS	IFSM	4.0	Amps
Maximum Instantaneous Forward Voltage @ IF=0.1A	VF	0.8	Volts
Maximum DC Reverse Current @ VR=25V	IR	2.0	μAmps
Typical Thermal Resistance (Note 1)	Rθja	300	°C/W
Typical Junction Capacitance (Note 2)	CJ	10	pF
Storage Operating Temperature Range	TJ, TSTG	-55 to +125	°C

NOTES : 1. Leads maintained at specified ambient temperature at a distance of 4.0mm from case.

2. Measured at 1 MHz and applied reverse voltage of 1.0 volts.

## **RATING AND CHARACTERISTIC CURVES (BAT85)**





FIG. 3 - TYPICAL REVERSE CHARACTERISTICS





FIG. 5 - TYPICAL JUNCTION CAPACITANCE



