

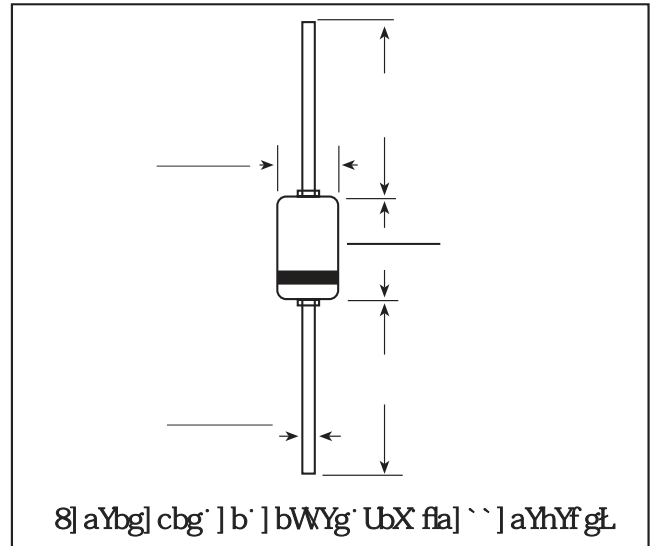
DO-35 SMALL SIGNAL SCHOTTKY DIODE

Features

Ø [1.4mm] ± 0.05mm
 V @ 1.0V, I_F = 100mA, T_a = 25°C, t_{rr} = 5ns
 V @ 1.0V, I_F = 100mA, T_a = 25°C, C_{tot} = 2pF

MECHANICAL DATA

Ø = 1.4mm
 U = 1.4mm
 T = 1.4mm



@ 25°C Ambient Temperature (unless otherwise noted)

Item	Symbol	Unit	Conditions	Max
Continuous reverse voltage	V _R	V		10
Forward continuous current	I _F	mA	T _a =25	200
Ü] ^ cã cã ^ Á Ú ^ æ \ Á Ø [! , æ ! ä Ö ~ ! ! ^ } cã	I _{FSM}	mA	Á c < F • È < € È í È V æ M G í ° C	100
Power dissipation	P _{tot}	mW	T _a =65	200
Maximum junction temperature	T _j			125
Ambient operating temperature range	T _A			-15 to +125
Storage temperature range	T _{stg}			-5 to +150
Junction ambient	R _{thJA}	/W	On PC board 50mmx 50mmx 1.6mm	≤ 0

(T_A=25°C unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	Max
Reverse breakdown voltage	V _{(BR)R}	V	I _R =10µA (pulsed)	10	
Leakage current	I _R	µA	V _R =25V	≤ 1	≤ 1
Forward voltage pulse test tp<300us, s<2%	V _F	V	I _F =0.1mA	0.2	0.4
		V	I _F =1mA	0.25	0.35
		V	I _F =10mA	0.15	0.25
		V	I _F =30mA	0.12	0.2
		V	I _F =100mA	0.1	0.15
Capacitance	C _{tot}	pF	V _R =1V, f =1MHz		2
Reverse recovery time	t _{rr}	ns	I _F = I _R =10mA, I _R =0.1mA		5

RATINGS AND CHARACTERISTIC CURVES

Fig.1 Derating curve.

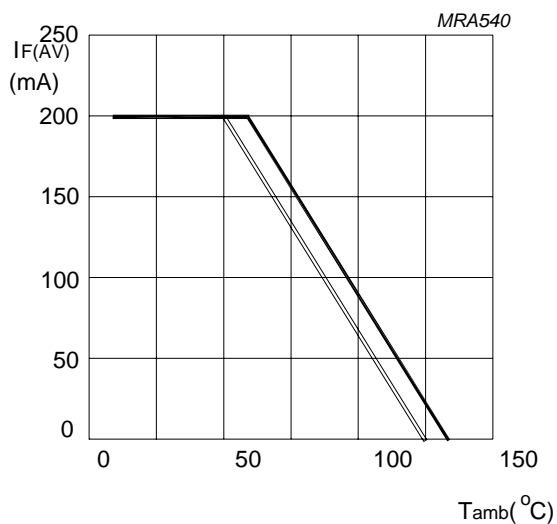


Fig.2 Forward current as a function of forward voltage; typical values.

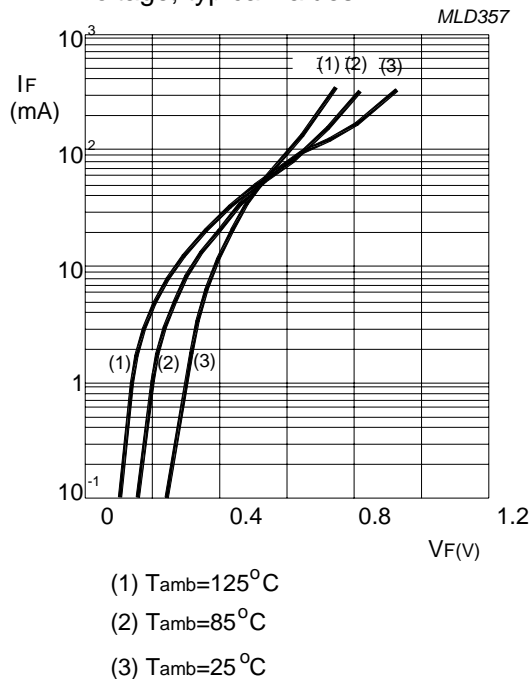


Fig.3 Reverse current as a function of reverse voltage; typical values.

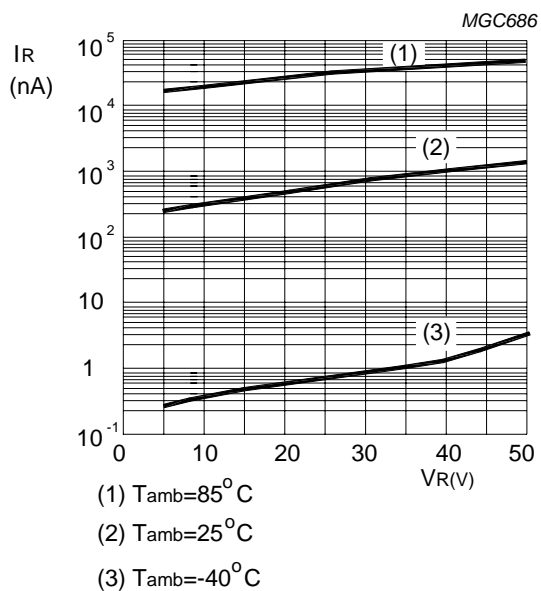


Fig.4 Diode capacitance as a function of reverse voltage; typical values.

