Diodes

Switching diode 188133

Applications

High speed switching

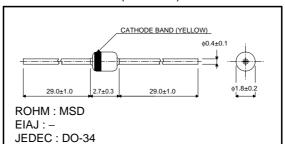
Features

- 1) Glass sealed envelope. (MSD)
- 2) High speed. (t_{rr}=1.2ns Typ.)
- 3) High reliability.

Construction

Silicon epitaxial planar

●External dimensions (Units : mm)



●Absolute maximum ratings (Ta=25°C)

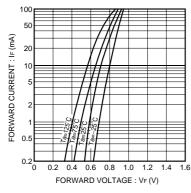
Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	90	V
DC reverse voltage	VR	80	V
Peak forward current	Iғм	400	mA
Mean rectifying current	lo	130	mA
Surge current (1s)	Isurge	600	mA
Power dissipation	Р	300	mW
Junction temperature	Tj	175	°C
Storage temperature	Tstg	-65~+175	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	VF	_	_	1.2	V	I _F =100mA
Reverse current	IR	_	_	0.5	μΑ	V _R =80V
Capacitance between terminals	Ст	_	_	2	pF	V _R =0.5V, f=1MHz
Reverse recovery time	trr	_	_	4	ns	V _R =6V, I _F =10mA, R _L =50Ω

Diodes

●Electrical characteristics curves (Ta=25°C)



3000 100°C 1

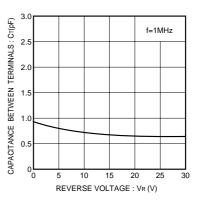
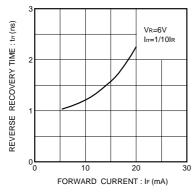


Fig. 1 Forward characteristics

Fig. 2 Reverse characteristics

Fig. 3 Capacitance between terminals characteristics



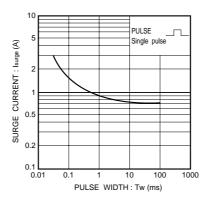


Fig. 4 Reverse recovery time characteristics

Fig.5 Surge current characteristics

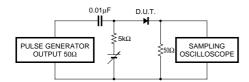


Fig. 6 Reverse recovery time (trr) measurement circuit