Switching diode 188244

Applications

High voltage switching General purpose rectification

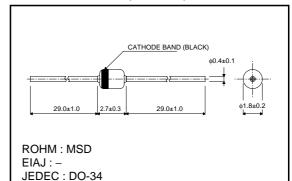
Features

- 1) Glass sealed envelope. (MSD)
- 2) VRM=250V guaranteed.
- 3) High reliability.

Construction

Silicon epitaxial planar

●External dimensions (Units : mm)



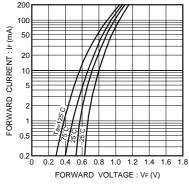
● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Peak reverse voltage	VRM	250	V	
DC reverse voltage	VR	220	V	
Peak forward current	Iғм	625	mA	
Mean rectifying current	lo	200	mA	
Surge current (1s)	Isurge	1000	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	_	_	1.5	V	I==200mA
Reverse current	IR	_	_	10	μΑ	V _R =220V
Capacitance between terminals	Ст	-	_	3	pF	V _R =0V, f=1MHz
Reverse recovery time	trr	-	-	75	ns	I _F =20mA, I _R =20mA, R _L =50Ω

●Electrical characteristics curves (Ta=25°C)



10n 100 150 200 250 300 350 REVERSE VOLTAGE: VR (V)

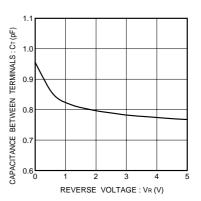
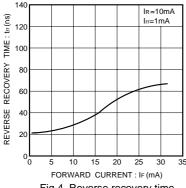
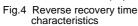


Fig.1 Forward characteristics

Fig.2 Reverse characteristics

Fig.3 Capacitance between terminals characteristics





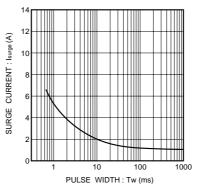


Fig.5 Surge current characteristics

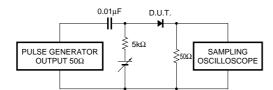


Fig.6 Reverse recovery time (trr) measurement circuit

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