Schottky barrier diode RB721Q-40

Applications

High speed switching

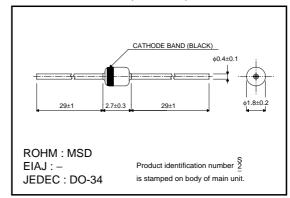
Features

- 1) Glass-sealed envelope for high reliability. (MSD)
- 2) Small pitch enables insertion on PCBs.
- 3) Low VF and low IR.

Construction

Silicon epitaxial planar

●External dimensions (Units : mm)



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	40	V
DC reverse voltage	Vr	40	V
Mean rectifying current	lo	30	mA
Peak forward surge current*	IFSM	200	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 ~ +125	°C

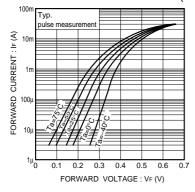
 $[\]ast$ 60 Hz for 1 \bigcirc

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	VF	-	_	0.37	V	I _F =1mA
Reverse current	lR	_	_	0.5	μΑ	V _R =25V
Capacitance between terminals	Ст	_	2.0	_	pF	V _R =1V, f=1MHz

Note) ESD sensitive product handling required.

●Electrical characteristic curves (Ta=25°C)



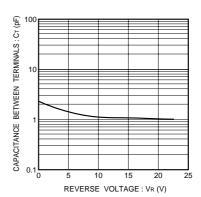


Fig.1 Forward characteristics

Fig.2 Reverse characteristics

Fig.3 Capacitance between terminals characteristics

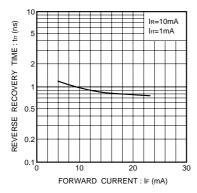


Fig.4 Reverse recovery time characteristics

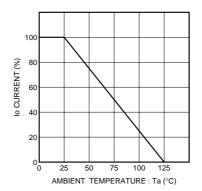


Fig.5 Derating curve (mounting on glass epoxy PCBs)

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