

Schottky Barrier Diode

RBQ10NS45A

Applications

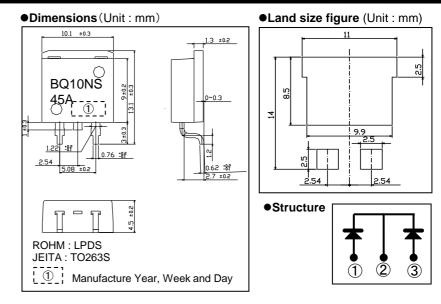
General rectification

Features

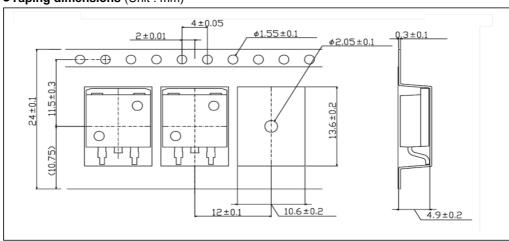
1)Cathode Common Dual type.(LPDS) 2)Low I_R .

Construction

Silicon epitaxial planer



●Taping dimensions (Unit : mm)



● Absolute maximum ratings(Tc=25°C)

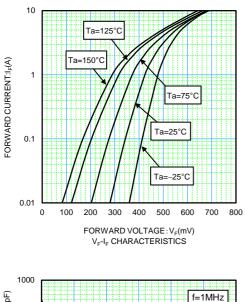
-710001410 maximum ratings(10-20 0)								
Parameter	Symbol	Limits	Unit					
Reverse voltage (repetitive)	V_{RM}	45	V					
Reverse voltage (DC)	V_R	45	V					
Average rectified forward current (*1)	lo	10	Α					
Forward current surge peak (60Hz·1cyc) (*2)	I _{FSM}	50	Α					
Junction temperature	Tj	150	°C					
Storage temperature	Tstg	-40 to +150	°C					

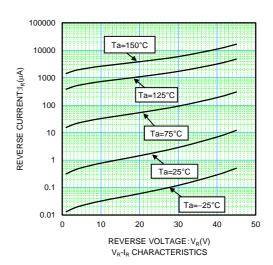
^{(*1) 60}Hz half sin wave, 1/2 lo per diode.

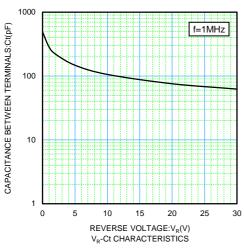
●Electrical characteristics (Tj=25°C)

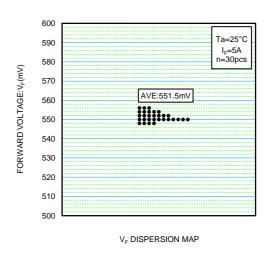
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.65	V	I _F =5A
Reverse current	I_R	-	-	0.15	mA	V _R =45V

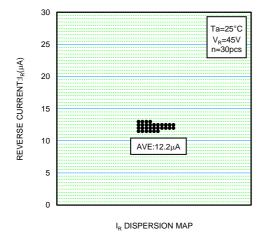
^{(*2) 60}Hz half sin wave, one cycle, non-repetitive at Tj=25°C.

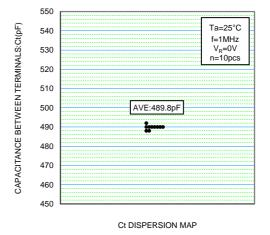


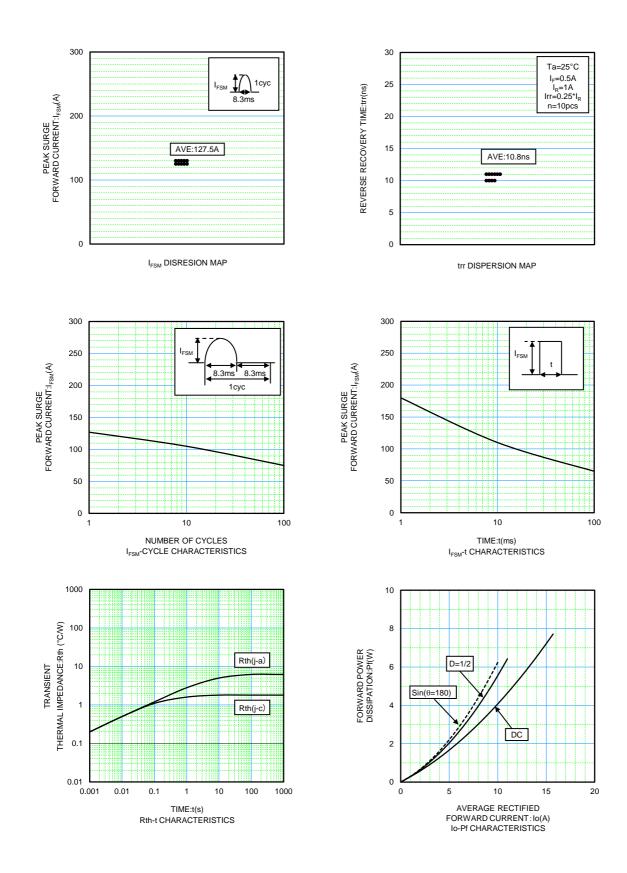


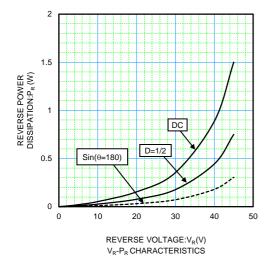


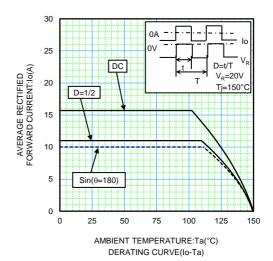


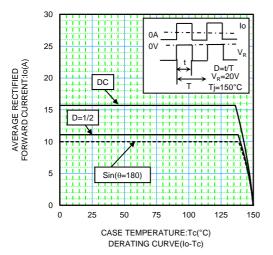


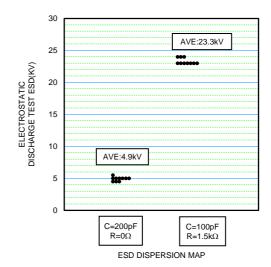












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