Diodes

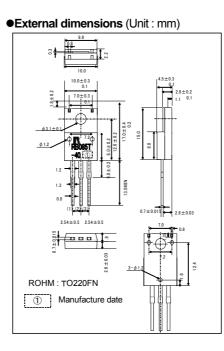
Schottky barrier diode **RB085T-40**

 Applications Switching power supply

- Features 1) Cathode common type.
- (TO-220)
- 2) Low IR
- 3) High reliability

Construction

Silicon epitaxial planar







•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit V	
Reverse voltage (repetitive peak)	V _{RM}	45		
Reverse voltage (DC)	V _R	40	V	
Average rectified forward current (*1)	lo	10	А	
Forward current surge peak (60Hz-1cyc) (*1)	I _{FSM}	100	Α	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-40 to +150	°C	
(*1)Tc=100°Cmax Per chin : Io/2				

(*1)Tc=100°Cmax. Per chip : lo/2

•Electrical characteristic (Ta=25°C)

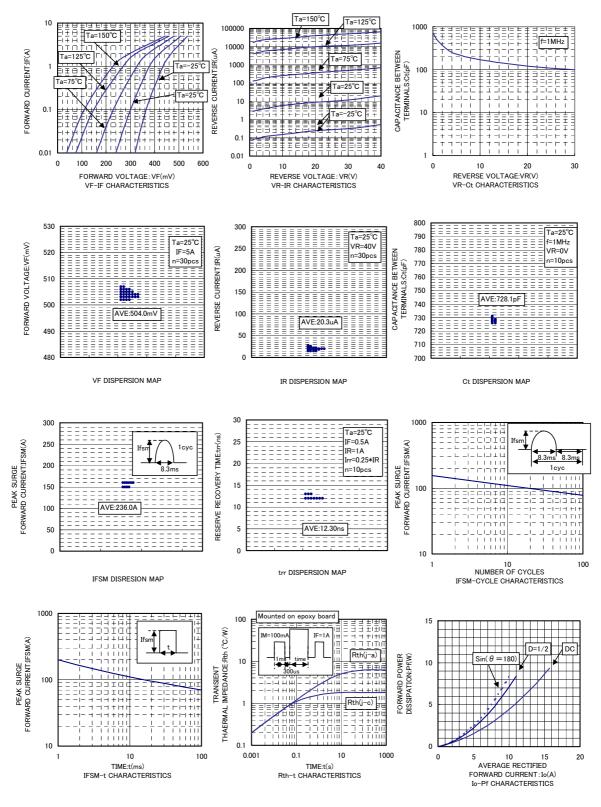
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.55	V	I _F =5A
Reverse current	I _R	-	-	200	μA	V _R =40V
Thermal impedance	θјс	-	-	2.5	°C/W	junction to case



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Diodes

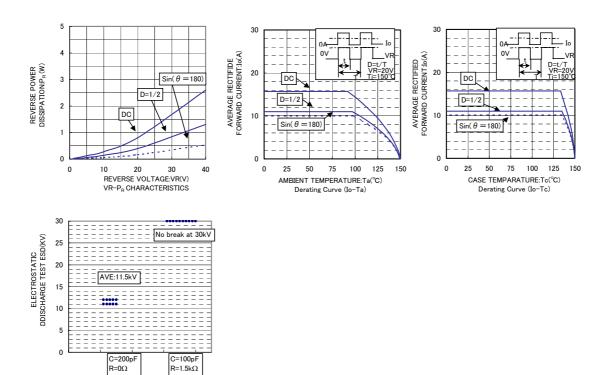
•Electrical characteristic curves



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ESD DISPERSION MAP



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