

RB715F / RB717F

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SURFACE MOUNT SCHOTTKY BARRIER DIODE

С



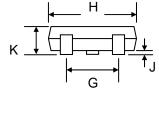
Features

- Low Forward Voltage •
- Fast Switching Speed
- PN Junction Guard Ring for Transient and ESD Protecion
- For General Purpose Switching Applications
- Plastic Material UL Recognition Flammability Classification 94V-0



- Case: SOT-323, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: See Diagrams Below
- Weight: 0.006 grams (approx.)
- Marking: Device Code, See Page 3
- Mounting Position: Any
- Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 4





D

В



SOT-323			
Dim	Min	Max	
Α	0.25	0.40	
в	1.15	1.35	
С	2.00	2.40	
D	0.65 Nominal		
E	0.30	0.40	
G	1.20	1.40	
Н	1.80	2.20	
L	-	0.10	
к	0.90	1.10	
L	0.25	-	
Μ	0.05	0.15	
All Dimensions in mm			



RB717F

Maximum Ratings @T_A=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	Vrm	40	V
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	40	v
Average Rectified Output Current	lo	30	mA
Non-Repetitive Peak Forward Surge Current, 60Hz	IFSM	200	mA
Operating and Storage Temperature Range	TJ, TSTG	-40 to +125	°C

Thermal Characteristics

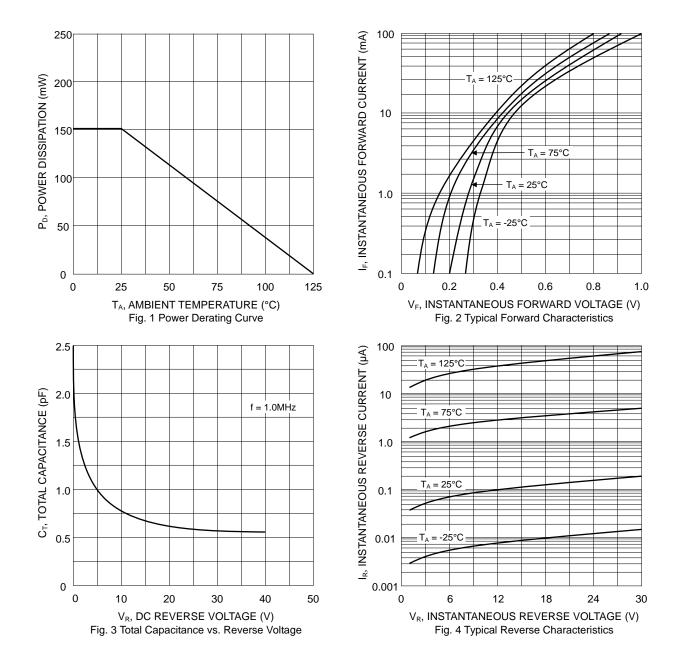
Characteristic	Symbol	Value	Unit
Power Dissipation (Note 1)	PD	150	mW

Note: 1. Mounted on FR-4 PC board with minimum recommended pad layout.



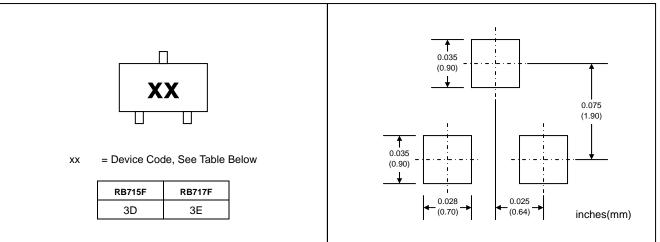
Electrical Characteristics @T_A=25°C unless otherwise specified

Characteristic		Symbol	Min.	Тур.	Max.	Unit
Forward Voltage Drop	@ IF = 1.0mA	VF			0.37	V
Reverse Leakage Current	@ VR = 10V	lr			1.0	μA
Diode Capacitance (VR = 1.0V, f = 1.0MHz)		C _D		2.0		pF



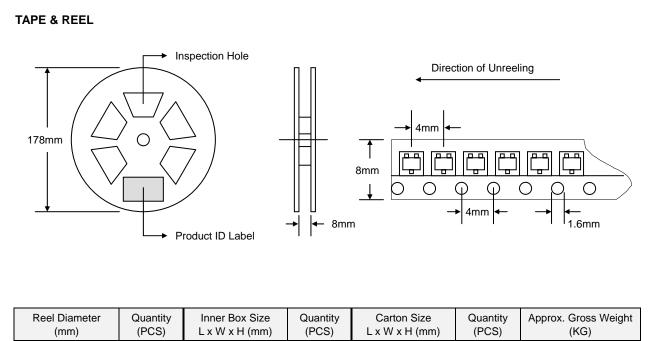


MARKING INFORMATION



RECOMMENDED FOOTPRINT

PACKAGING INFORMATION



15,000

390 x 240 x 420

150,000

Note: 1. Anti-static plastic reel, white, water clear or blue color. Inspection hole might be varied in different alignment. 2. Components are packed in accordance with EIA standard 481-1 and 481-2.

187 x 187 x 65

178

3,000

10.0



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
RB715F-T1	SOT-323	3000/Tape & Reel
RB717F-T1	SOT-323	3000/Tape & Reel

1. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department. To order RoHS / Lead Free version (with Lead Free finish), add "-LF" 2.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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suffix to part number above. For example, RB715F-T1-LF.