

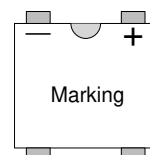
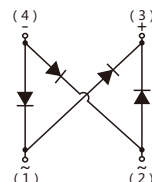
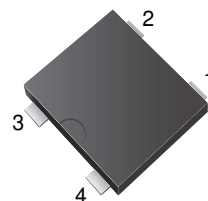


Features

- Reverse Voltage 2000 V
- Forward Current 1 A
- High Surge Current Capability
- Designed for Surface Mount Application
- Lead free in comply with EU RoHS 2011/65/EU directives

Mechanical Data

- Case:LTB
- Terminal:Leads solderable per MIL-STD-750 Method 2026



Ordering Information

Part Number	Marking	Shipping	Reel
RHB20	M20B	5000PCS Tape&Reel	13 inches

Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

Parameter	Symbol	RHB20	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	2000	V
Maximum RMS voltage	V_{RMS}	1400	V
Maximum DC Blocking Voltage	V_{DC}	2000	V
Average Rectified Output Current at $T_c = 125^\circ\text{C}$	I_O	1	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	30	A
Maximum Forward Voltage at 1A	V_F	1.1	V
Maximum DC Reverse Current @ $T_A=25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_A=125^\circ\text{C}$	I_R	1 100	μA
Typical Junction Capacitance (Note1)	C_J	20	pF
Operating and Storage Temperature Range	T_J, T_{stg}	-55 ~ +150	$^\circ\text{C}$

Note:(1) Measured at 1MHz and applied reverse voltage of 4V D.C.



Characteristics Curve

FIG.1 AVERAGE RECTIFIED OUTPUT CURRENT DERATING CURVE

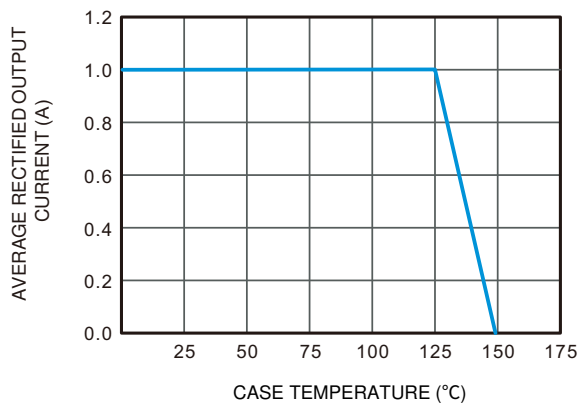


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

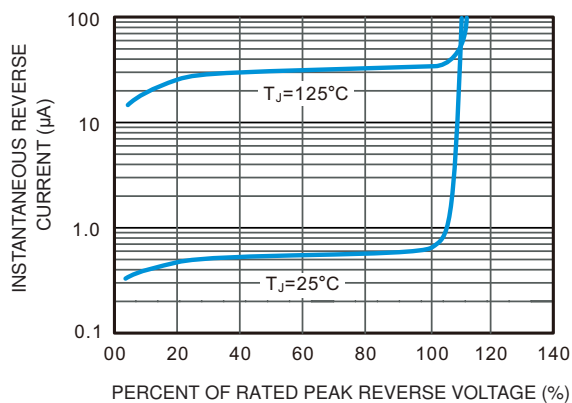


FIG. 3 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

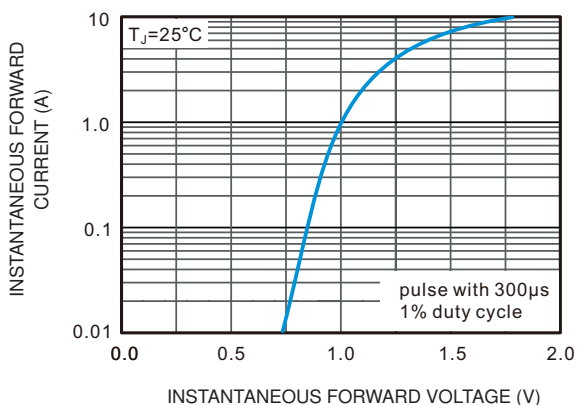


FIG. 4 TYPICAL JUNCTION CAPACITANCE

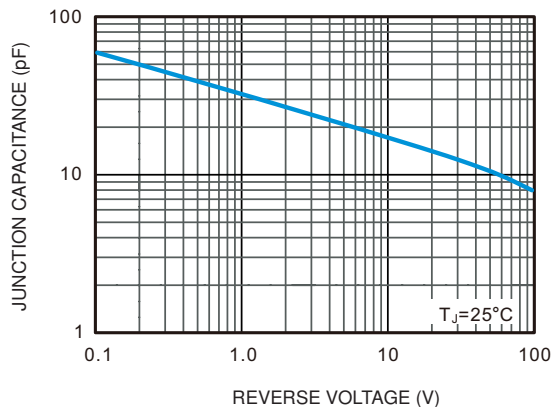
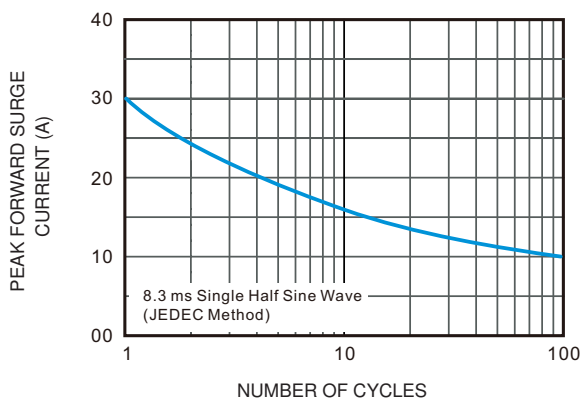
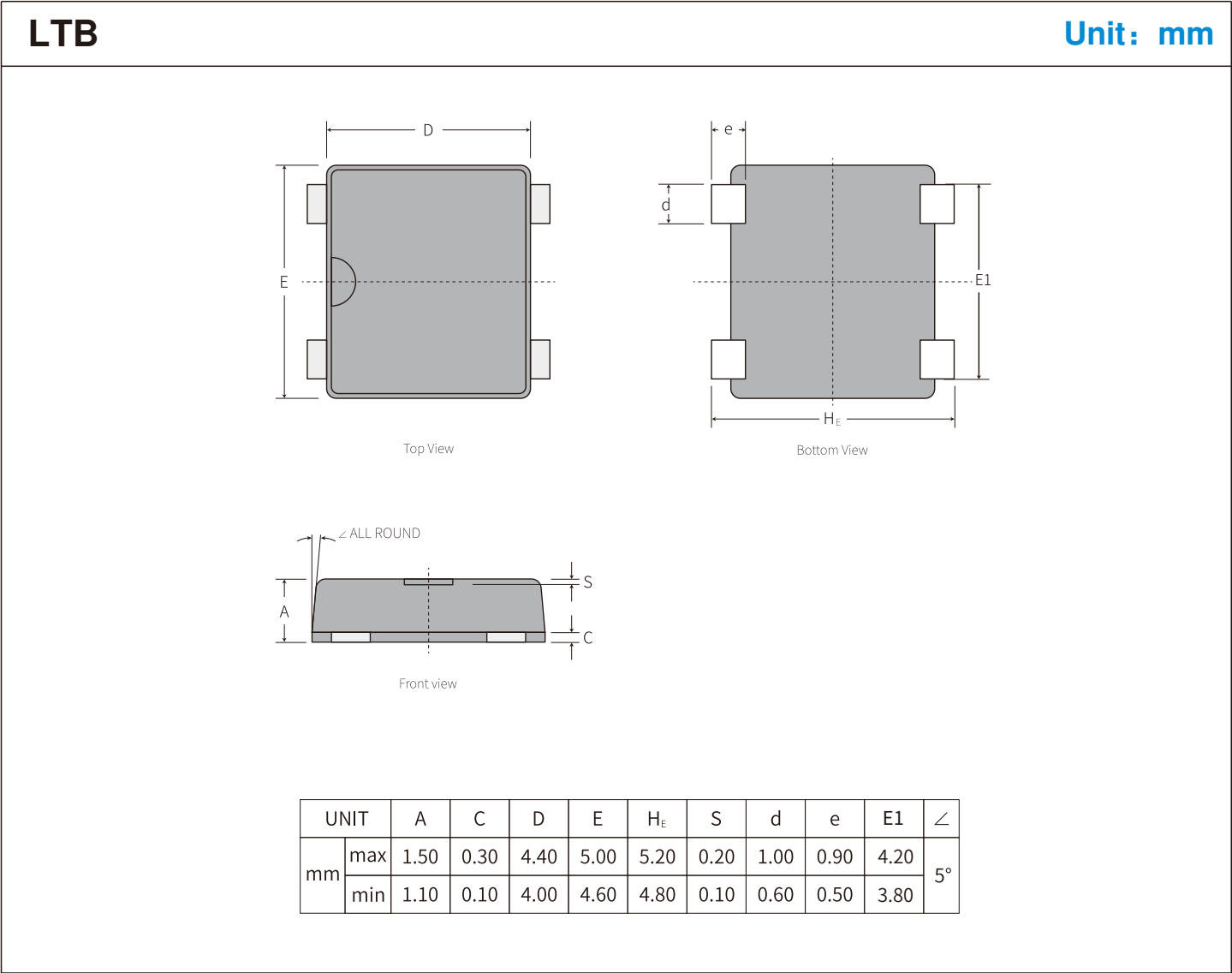


FIG. 2 MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

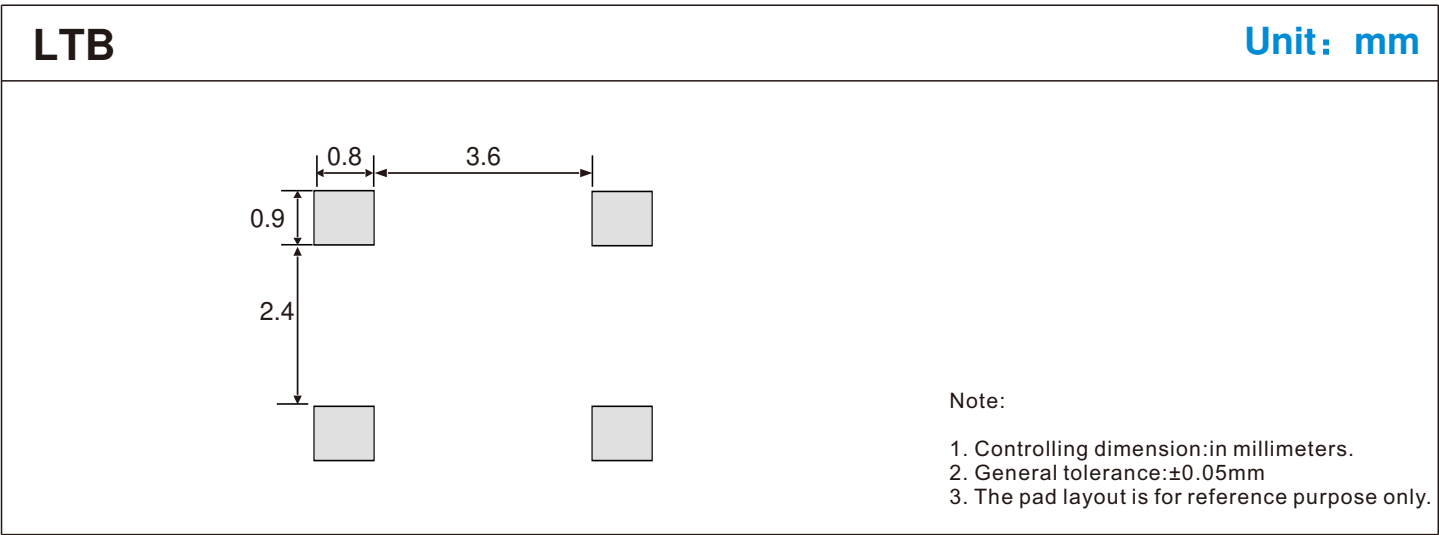




Package Outline



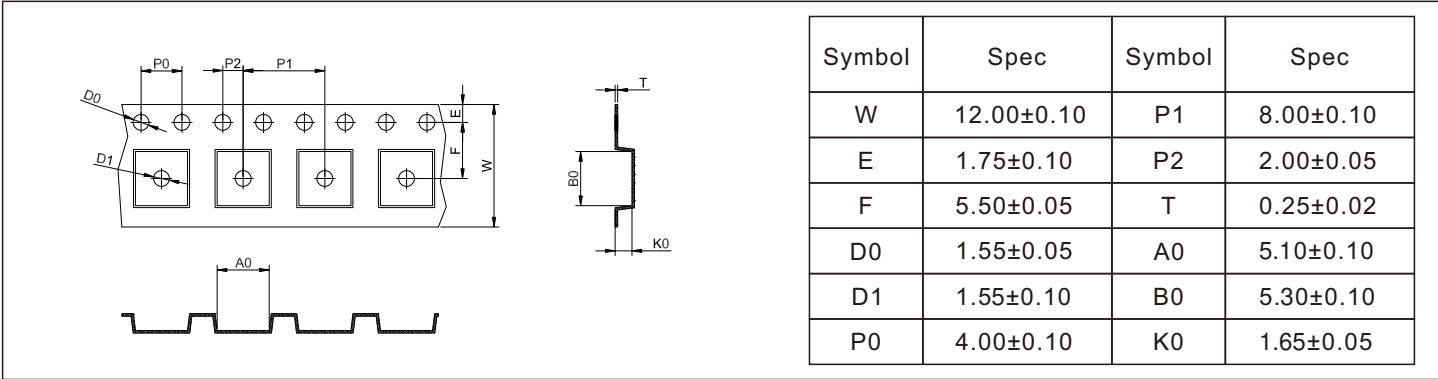
Suggested Pad Layout





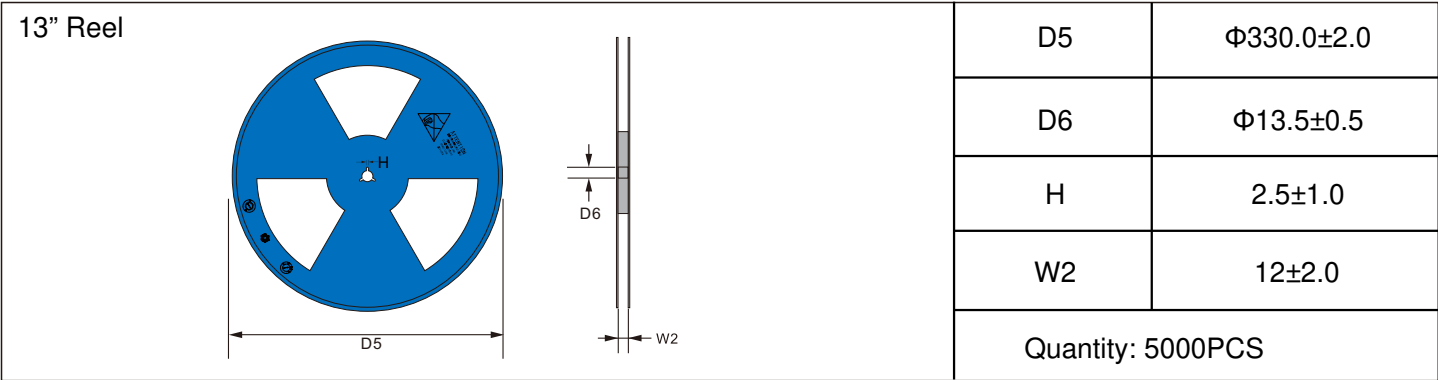
Carrier Tape Dimensions

Unit: mm

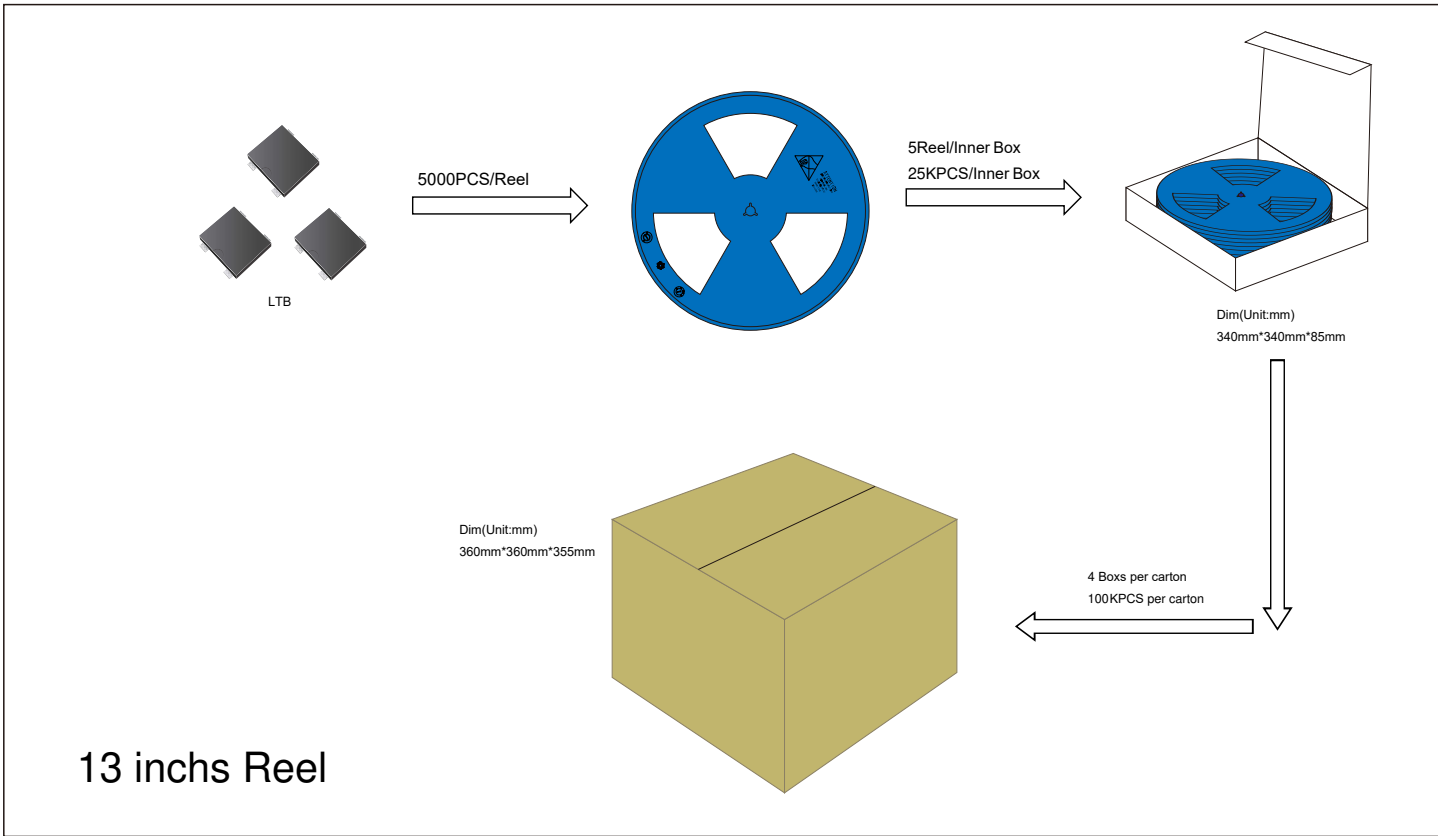


Reel Dimensions

Unit: mm



Packaging





Recommended Soldering Conditions

