

Thermal-Mechanical Specifications

Parameters	Symbol	Test Conditions	Max	Unit
Junction Temperature	T_J		-55 to +150	°C
Storage Temperature	T_{stg}		-55 to +150	°C
Maximum Thermal Resistance Junction to Case (per leg)	R_{thJC}	DC operation	2.0	°C/W
Approximate Weight	wt		1.41	g
Case Style	D ² PAK (TO-263)			

Figure 1: Typical Forward Characteristics

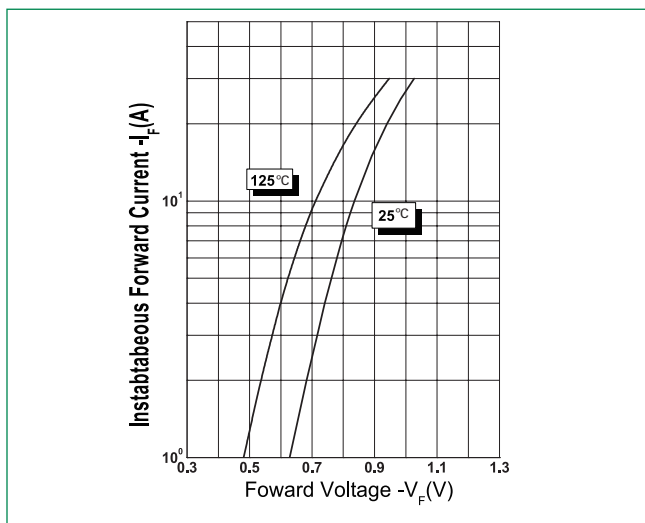


Figure 2: Typical Reverse Characteristics

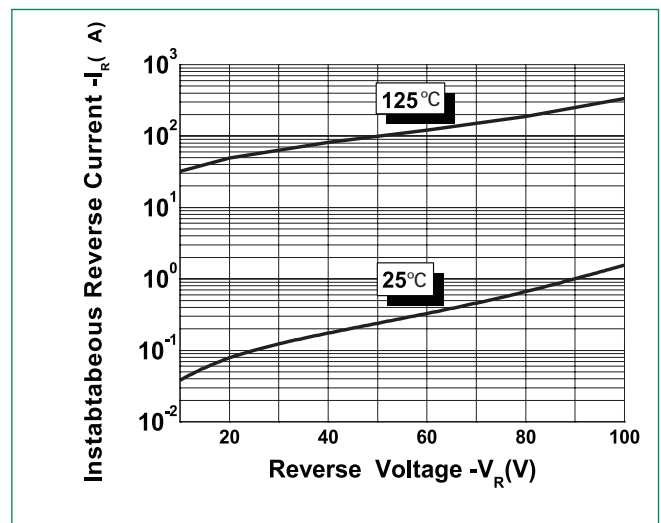
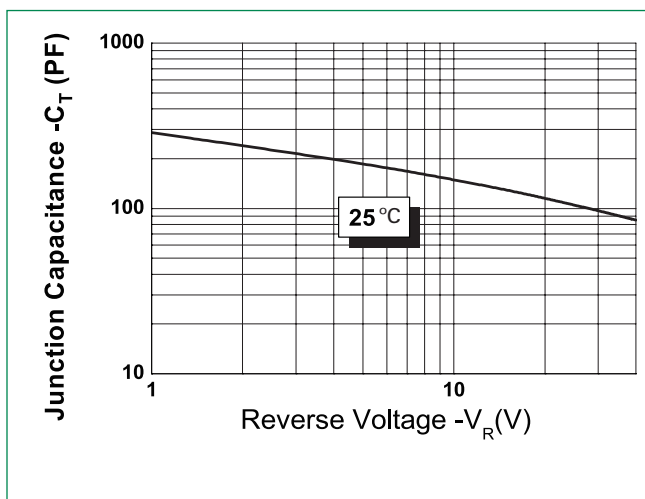


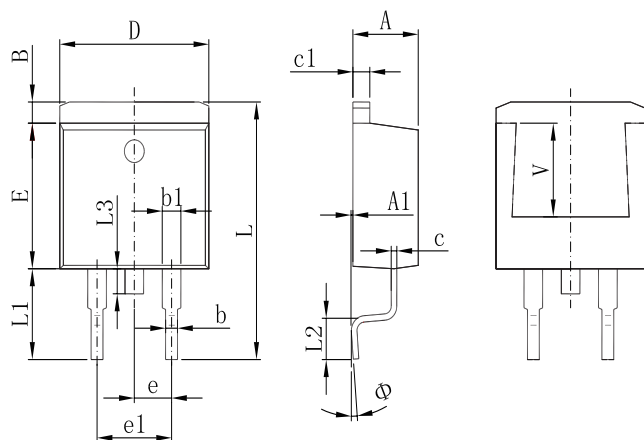
Figure 3: Typical Junction Capacitance



Schottky Barrier Rectifier

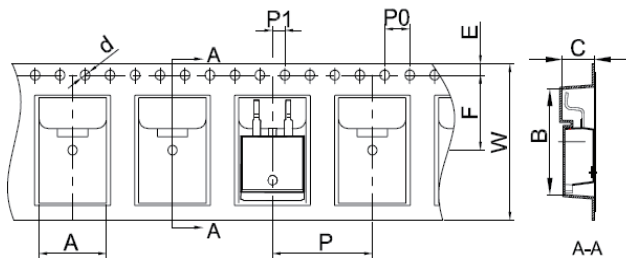
MBRB20100CT 2x 10A, 100V, TO-263 Common Cathode

Dimensions-D²PAK(TO-263)



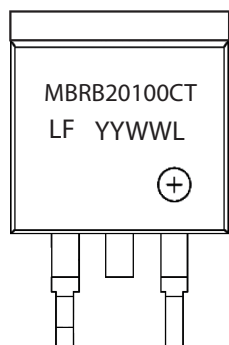
Symbol	Millimeters	
	Min	Max
A	4.47	4.67
A1	0	0.15
B	1.12	1.42
b	0.71	0.91
b1	1.17	1.37
c	0.31	0.53
c1	1.17	1.37
D	10.01	10.31
E	8.50	8.90
e	2.54 TYP	
e1	4.98	5.18
L	14.94	15.5
L1	4.95	5.45
L2	2.34	2.74
L3	1.30	1.7
Ø	0°	8°
V	5.60 REF	

Carrier Tape & Reel Specification



Symbol	Millimeters	
	Min	Max
A	10.70	10.90
B	16.03	16.23
C	5.11	5.31
d	Ø1.45	Ø1.65
E	1.65	1.85
F	11.40	11.60
P0	3.90	4.10
P	15.90	16.10
P1	1.90	2.10
W	23.90	24.30

Part Numbering and Marking System



MBR = Device Type
 B = Package type
 20 = Forward Current (20A)
 100 = Reverse Voltage (100V)
 CT = Configuration
 LF = Littelfuse
 YY = Year
 WW = Week
 L = Lot Number

Packing Options

Part Number	Marking	Packing Mode	M.O.Q
MBRB20100CT	MBRB20100CT	800pcs / reel	800