

Thermal-Mechanical Specifications

Parameters	Symbol	Test Conditions	Max	Unit
Max. Junction Temperature	T_J		-55 to +150	°C
Max. Storage Temperature	T_{stg}		-55 to +150	°C
Maximum Thermal Resistance Junction to Case	R_{thJC}	DC operation	2.3	°C/W
Typical Thermal Resistance	R_{thcs}	Mounting surface, smooth and greased	0.5	°C/W
Approximate Weight	wt		1.85	g
Case Style		D ² PAK (TO-263)		

Figure 1: Typical Forward Characteristics

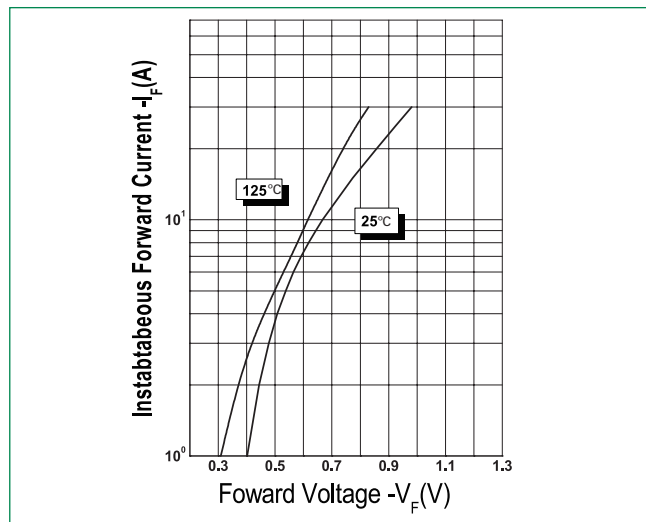


Figure 2: Typical Reverse Characteristics

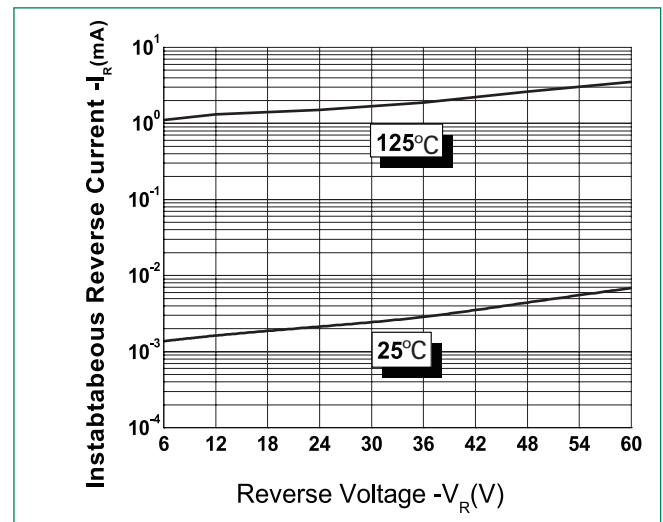
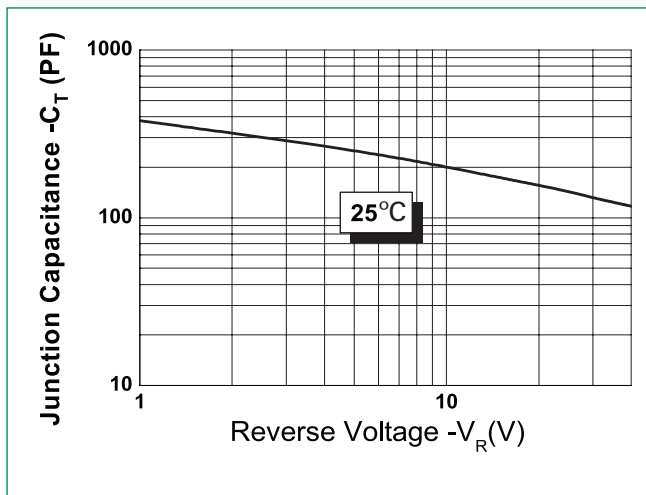
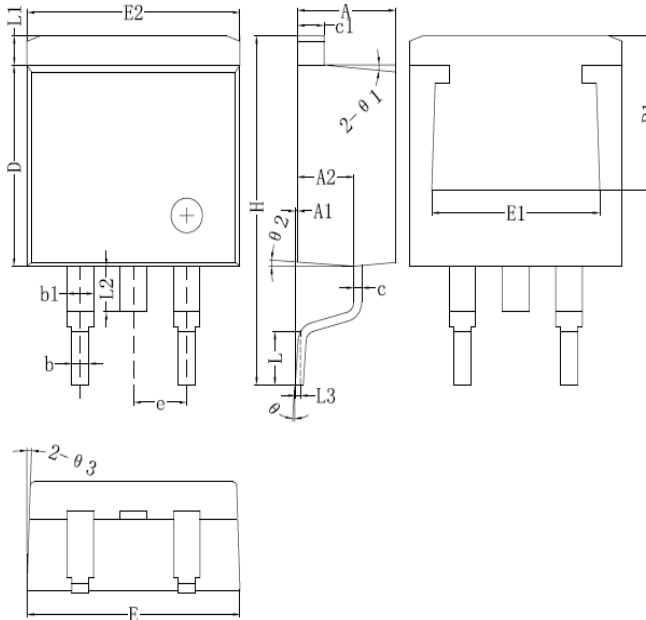


Figure 3: Typical Junction Capacitance



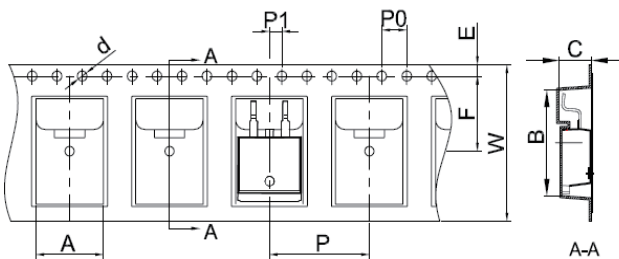
Dimensions-D²PAK(TO-263)



	Millimeters	
	Min	Max
A	4.06	4.83
A1	0.00	0.25
b	0.51	0.99
b1	1.14	1.78
c	0.31*	0.74
c1	1.14	1.65
D	8.38	9.65
D1	6.40*	-
E	9.65	10.67
E1	6.22	-
E2	9.65	10.67
e	2.54 BSC	
H	14.60*	15.88
L	1.78	2.79
L1	-	1.68
L2	-	1.78
L3	0.254 BSC	

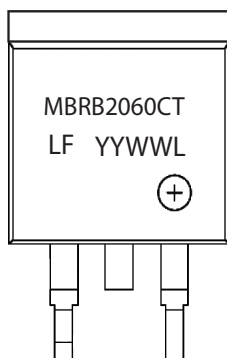
Footnote *: The spec. does not comply with JEDEC spec.

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)
 60 = Reverse Voltage (60V)
 CT = Configuration
 LF = Littelfuse
 YY = Year
 WW = Week
 L = Lot Number

Packing Options

Part Number	Marking	Packing Mode	M.O.Q
MBRB2060CT	MBRB2060CT	800pcs / reel	800