

/ Descriptions

TO-220

Schottky Barrier Diode in a TO-220 Plastic Package.

/ Features

Low power loss, high efficiency.

/ Applications

For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

/ Equivalent Circuit

/ Pinning

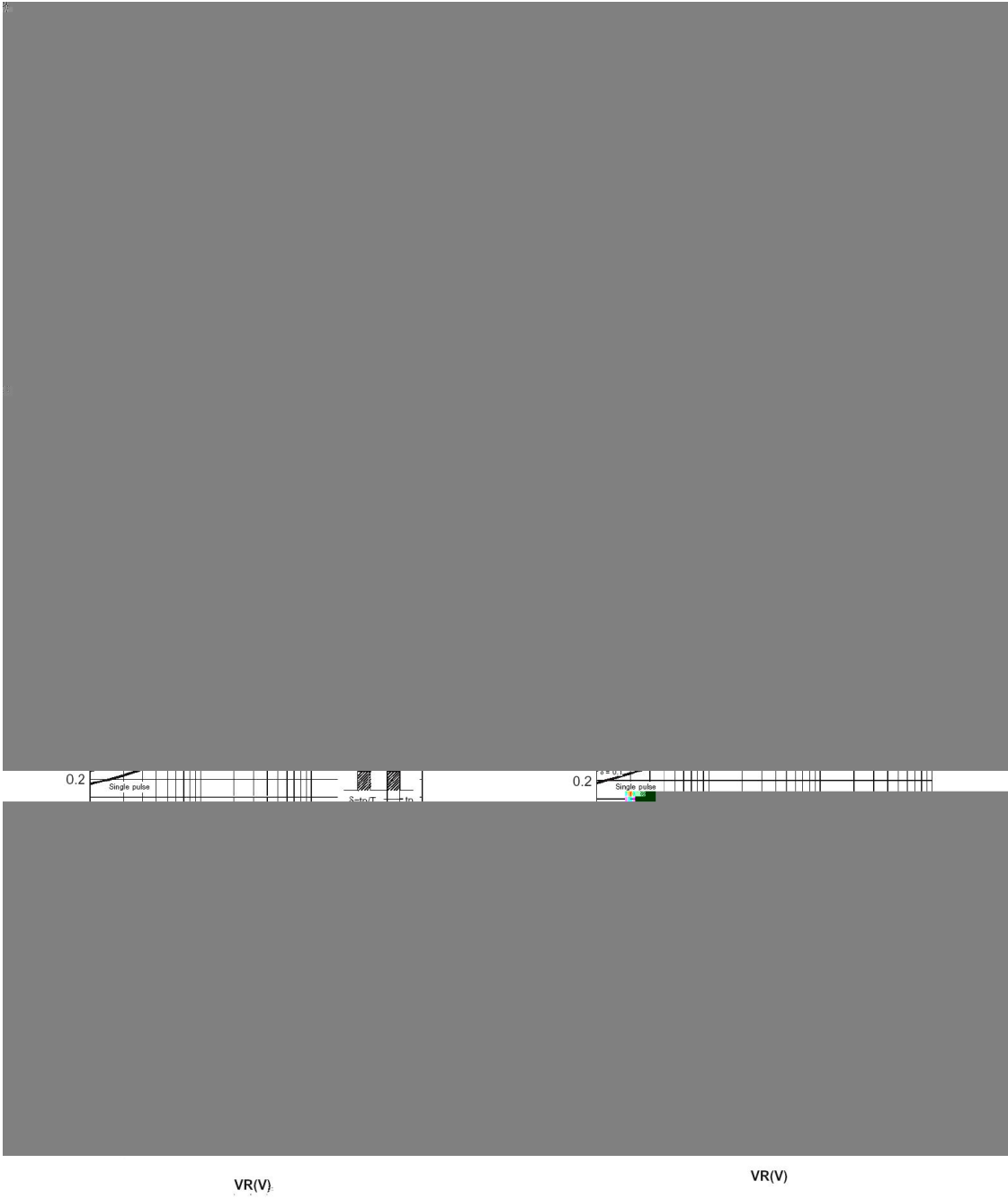


Plj Anode Plj Cathode Plj Anode

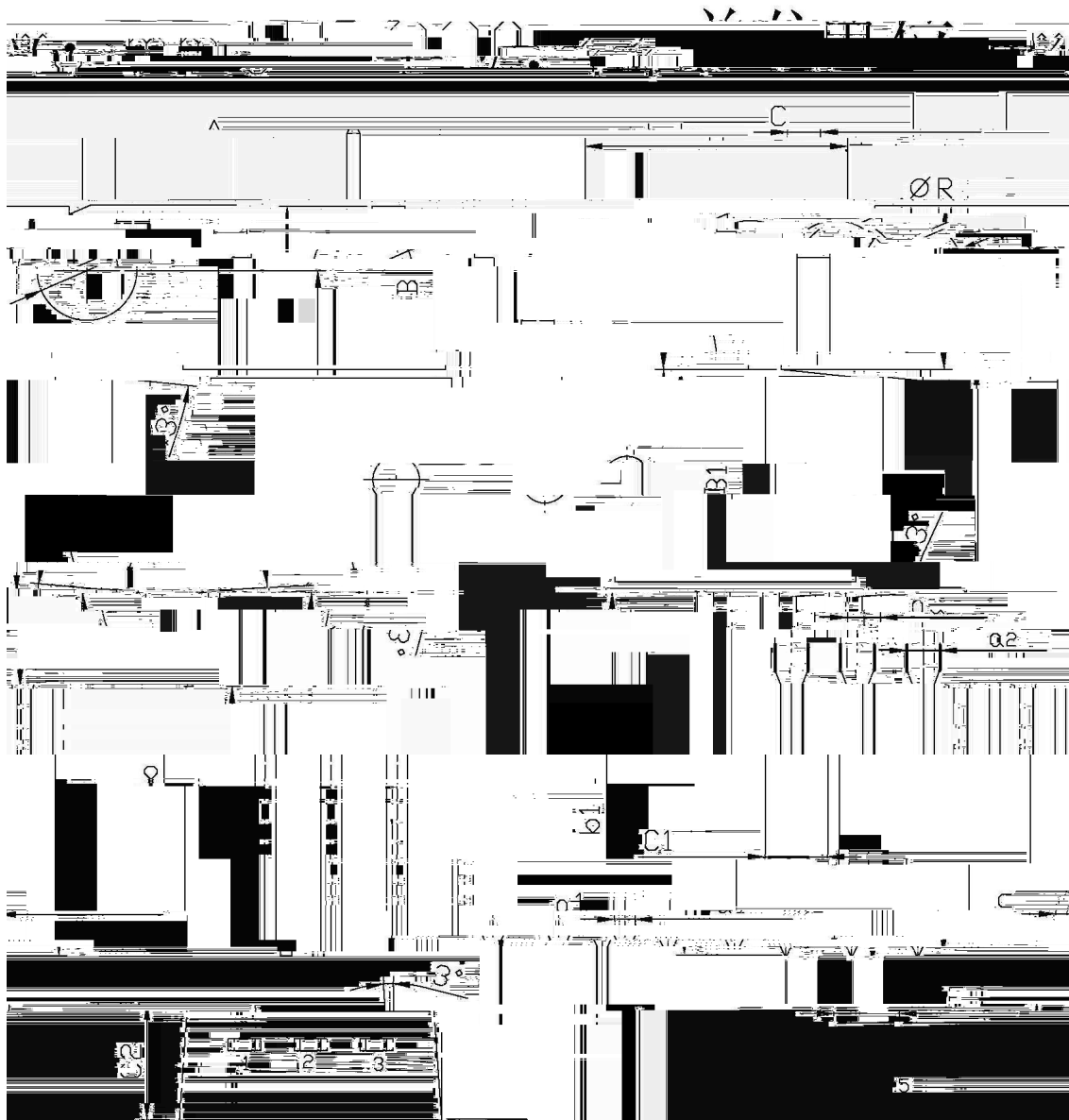
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Electrical Characteristic Curve

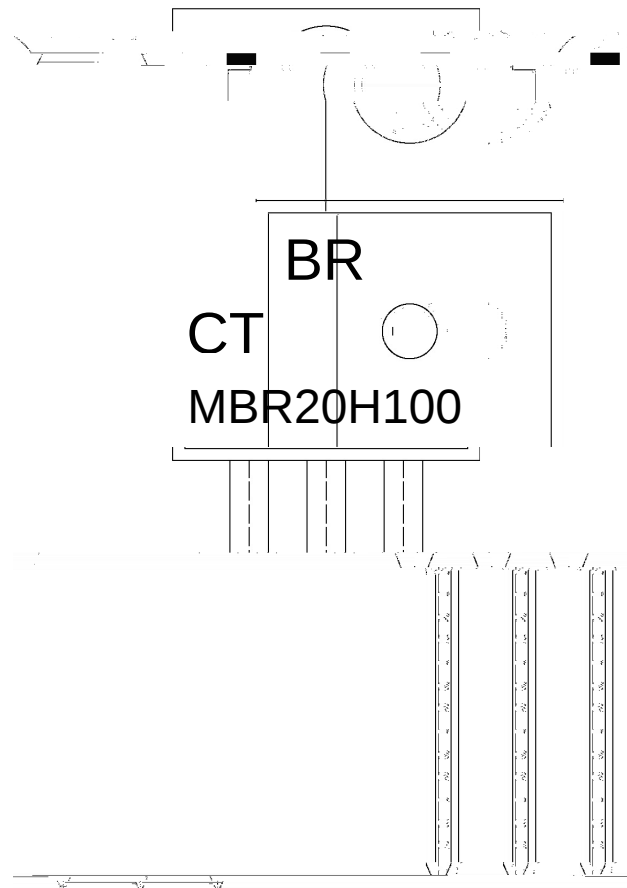


/ Package Dimensions



Dimensions In Millimeters				Dimensions In Millimeters			
Symbol	Min	Max	Typ	Symbol	Min	Max	Typ
A	10.6	10.8	10.7	C	10.2	10.4	10.3
B	1.32	1.34	1.33	D	0.6	0.7	0.65
C	2.74	2.76	2.75	E	0.4	0.5	0.45
D	0.6	0.7	0.65	F	0.4	0.5	0.45
E	0.4	0.5	0.45	G	1.27	1.29	1.28
F	0.4	0.5	0.45	H	1.27	1.29	1.28
G	1.27	1.29	1.28	I	1.27	1.29	1.28
H	1.27	1.29	1.28	J	1.27	1.29	1.28
I	1.27	1.29	1.28	K	1.27	1.29	1.28
J	1.27	1.29	1.28	L	1.27	1.29	1.28
K	1.27	1.29	1.28	M	1.27	1.29	1.28
L	1.27	1.29	1.28	N	1.27	1.29	1.28
M	1.27	1.29	1.28	O	1.27	1.29	1.28
N	1.27	1.29	1.28	P	1.27	1.29	1.28
O	1.27	1.29	1.28	Q	1.27	1.29	1.28
P	1.27	1.29	1.28	R	1.27	1.29	1.28
Q	1.27	1.29	1.28	S	1.27	1.29	1.28
R	1.27	1.29	1.28	T	1.27	1.29	1.28
S	1.27	1.29	1.28	U	1.27	1.29	1.28
T	1.27	1.29	1.28	V	1.27	1.29	1.28
U	1.27	1.29	1.28	W	1.27	1.29	1.28
V	1.27	1.29	1.28	X	1.27	1.29	1.28
W	1.27	1.29	1.28	Y	1.27	1.29	1.28
X	1.27	1.29	1.28	Z	1.27	1.29	1.28
Y	1.27	1.29	1.28				
Z	1.27	1.29	1.28				

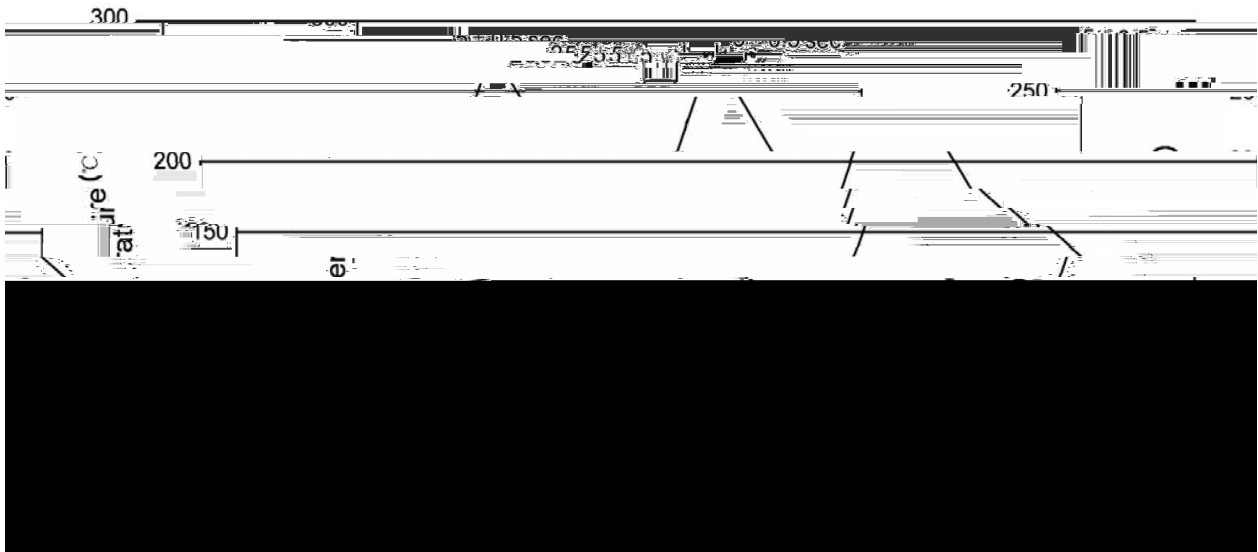
/ Marking Instructions



BR	! " # \$ %
MBR20H100	! & ' ()
CT:	! * + , -
****	! . & /) \$ % 0 1 . & /) 2 3 4
Note:	
BR:	Company Code
MBR20H100	Product Type.
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No.



() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10°C/sec.

- 1.Preheating:25~150°C, Time:60~90sec.
- 2.Peak Temp.:255±5°C, Duration:5±0.5sec.
3. Cooling Speed: 2~10°C/sec.

/ Resistance to Soldering Heat Test Conditions

270±5°C

10±1 sec.

Temp.:270±5°C

Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm ³)		
	只袋	只袋	只袋	只袋	只袋	只袋	只袋	只袋
0.12234	233							