TO-277

Schottky Barrier Diode in a TO-277 Plastic Package.

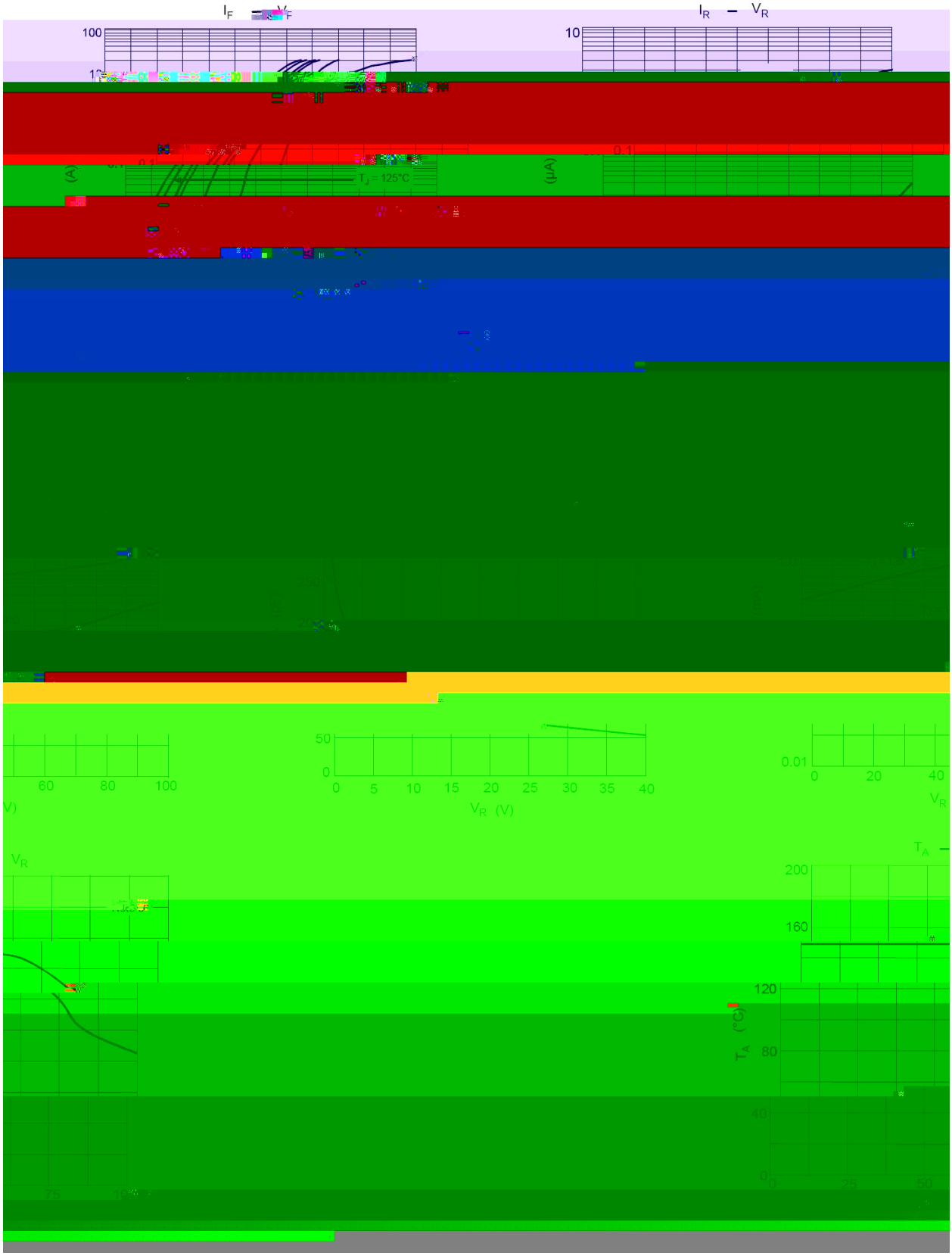
Low forward voltage drop,low power losses,High efficiency operation. HF Product.

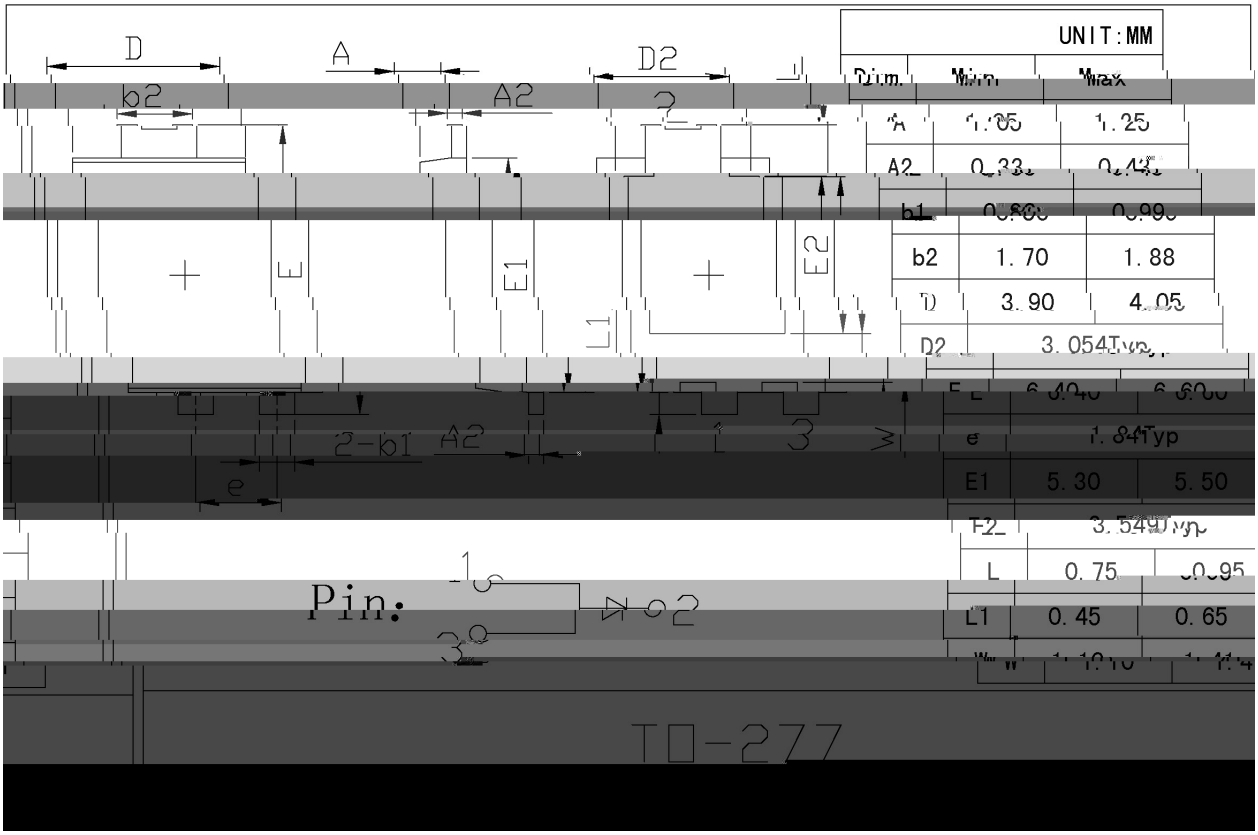
OR-ing DC-DC

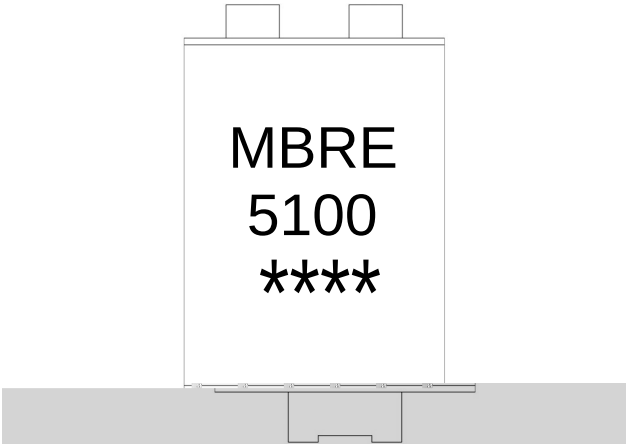
For use in high frequency inverters, switching power supplies, freewheeling diodes, OR-ing diode, dc-to-dc converters and reverse battery protection.

PIN1 Anode PIN 2

004


I_F – V_F
100
10
(A)
T_J = 125°C
I_R – V_R
10
0.1
(μA)
50
0
0 5 10 15 20 25 30 35 40
V_R (V)
0.01
0 20 40
V_R
60 80 100
V)
V_R
T_A –
200
160
120
80
40
0
T_A (°C)
0 25 50


UNIT:MM
Dim.
Min.
Max
A
1.25
A2
b1
b2
1.70
1.88
D
3.90
4.05
D2
3.054Typ
E
6.60
e
1.84Typ
E1
5.30
5.50
E2
3.549Typ
L
0.75
0.95
L1
0.45
0.65
W
D
A
D2
b2
A2
E
E1
E2
L1
2-b1
e
L
W
Pin:
1
2
3
TO-277



MBRE5100

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Note:

MBRE5100	Product Type.
****:	Lot No. Code, code change with Lot No.

Temperature Profile for IR Reflow Soldering(Pb-Free)

350

[redacted]

			Note:
1	150 180	60 90sec;	1.Preheating:150~180 , Time:60~90sec.
2	245±5	5±0.5sec;	2.Peak Temp.:245±5 , Duration:5±0.5sec.
3	2 10	/sec.	3.