

Rev.H Oct.-2018

TO-220

Schottky Barrier Diode in a TO-220 Plastic Package.

Low power loss, high efficiency.

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

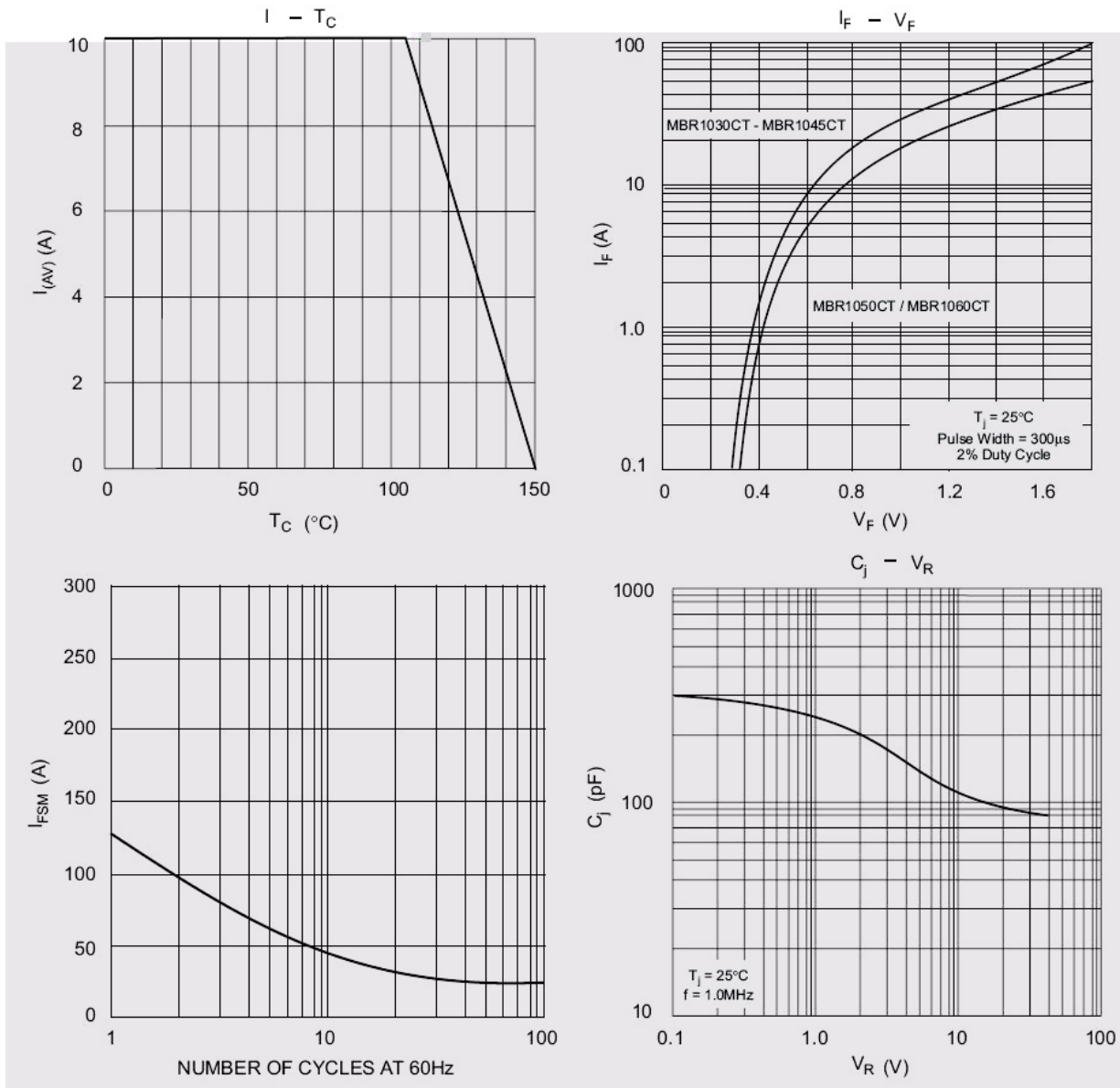


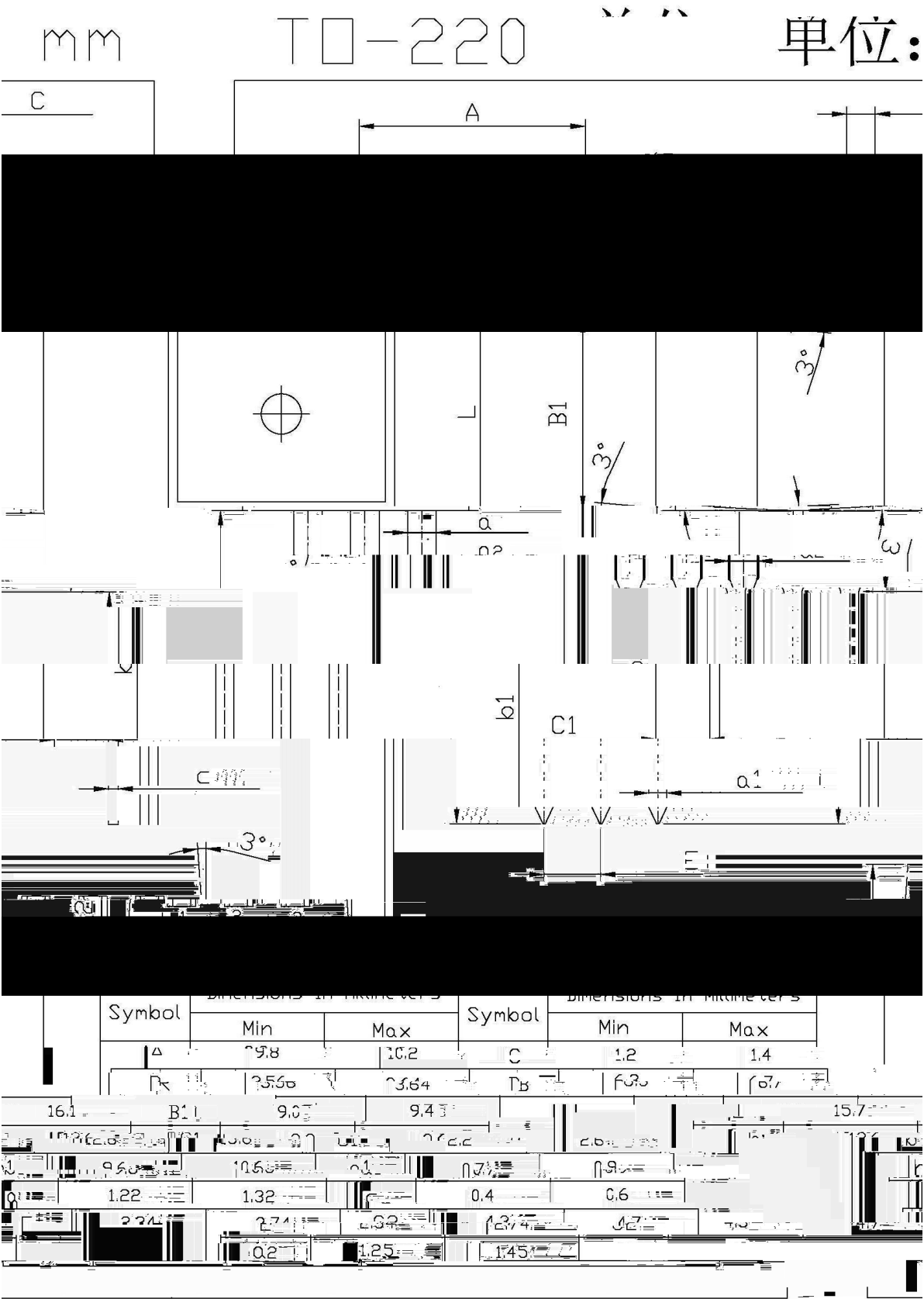
PIN1 Anode PIN 2 Cathode PIN 3 Anode

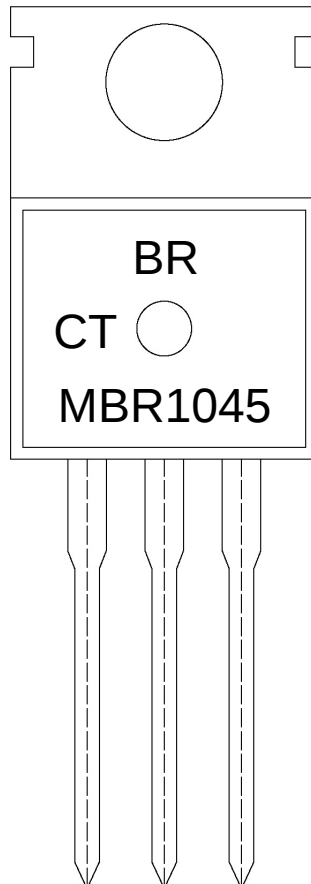
See Marking Instructio5803 Tm-0.004 Tc(FE.v/TT7.)Tj18.894d.v1353n5.0P Wfp6HA6P Wp 527MSue

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	45	V
Instantaneous Reverse Voltage	V_R	31.5	V
Average Rectified Output Current	I_O	10	A
Non Repetitive Peak Surge Current	I_{FSM}	125	A
Repetitive Peak Reverse Current	I_{RRM}	1.0	A
Thermal Resistance Junction to Case	$R_{\theta JC}$	30	K/W
Storage Temperature Range	T_{STG}	-65~150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=5A(T_J=125^\circ C)$			0.57	V
		$I_F=5A(T_J=25^\circ C)$			0.70	V
		$I_F=10A(T_J=25^\circ C)$			0.84	V
Instantaneous Reverse Current	I_{RM}	$T_C=25$			0.1	mA
		$T_C=125$			15	mA
Junction Capacitance	C_j				150	pF
Voltage Rate of Change	dv/dt				1000	V/ μs







BR

MBR1045

CT:

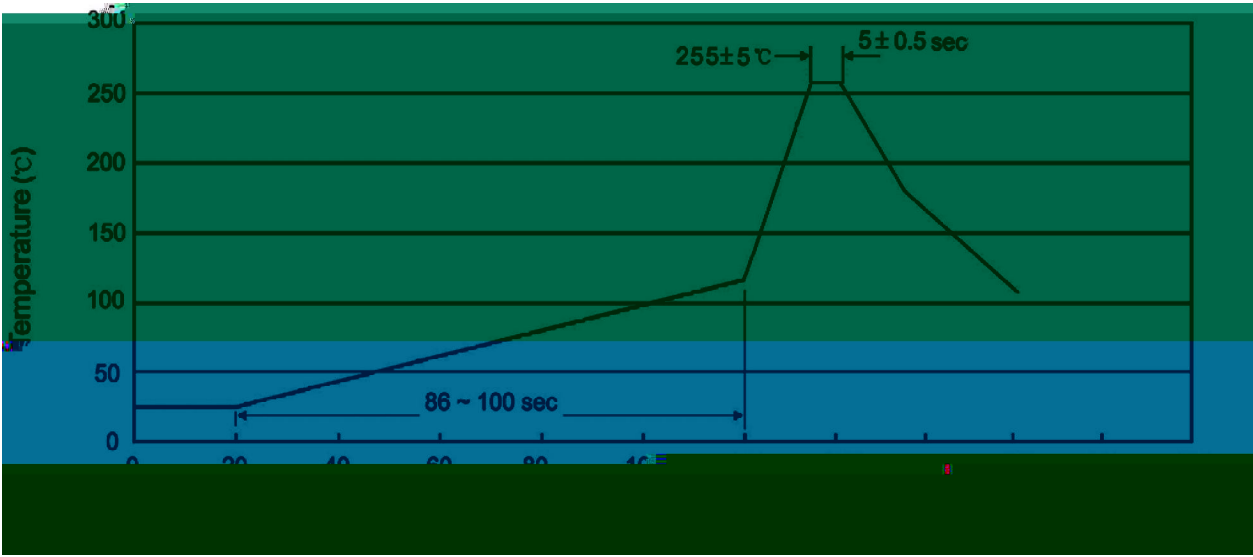
Note:

BR: Company Code

MBR1045 Product Type.

CT: Internal Structure

****: Lot No. Code, code change with Lot No.



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
3. Cooling Speed: 2~10

/sec.

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只袋	袋盒	只盒	盒箱	只箱	袋	盒	箱

/ TUBE

Package Type
封装形式

Units 包装数量

Dimension 包装尺寸 (unit: mm