MBRF20100CT

Rev.I May.-2026

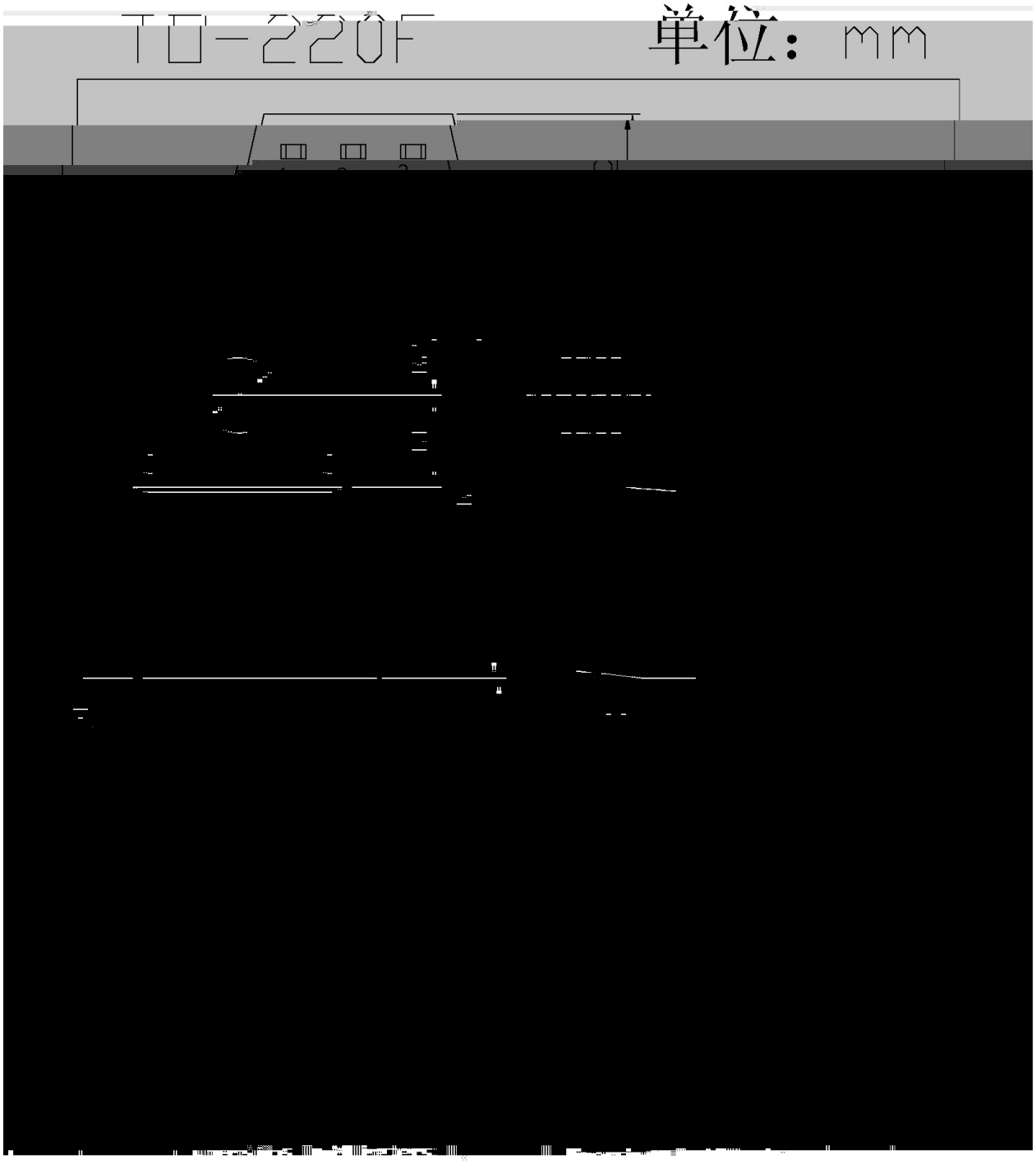
DA SHEET

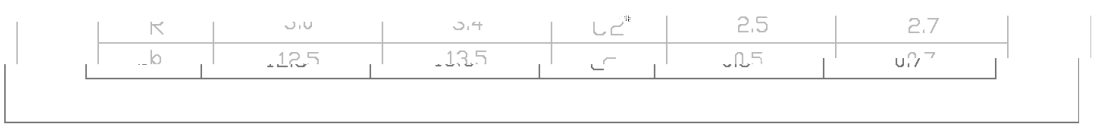
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	100	V
Working Peak Reverse Voltage	V_{RWM}	100	V
Reverse forward current	I_{FRM}	20	A
Average Forward Current	$I_{F(AV)}$	10	A
Average Forward Current(total)	$I_{F(AV)}$ (total)	20	A
Non Repetitive Peak Surge Current	I_{FSM}	150	A
Peak Repetitive Reverse Current	I_{RRM}	0.5	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	3.5	/W
Junction Temperature Range	T_j	175	
Storage Temperature Range	T_{stg}	-55 175	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F =10A(Tc=25)			0.85	V
		I_F =10A(Tc=125)			0.7	V
		I_F =20A(Tc=25)			0.95	V

MBRF20100CT

/ Package Dimensions





/ Marking Instructions

BR
MBRF20100
CT ****

BR

MBRF20100

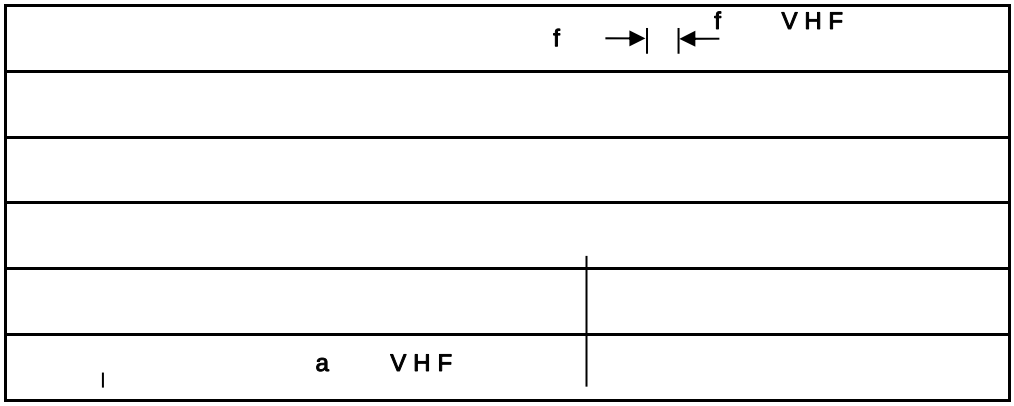
CT:

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Note:

BR:	Company Code
MBRF20100:	Product Type Code
CT:	Internal Structure
****:	Lot No. Code, code change with Lot No.

G PD t … • Ž ¢ (x /) / Temperature Profile for Dip Soldering(Pb-Free)



7LPH VHF

ª ¢ y

1o• Ä ½ “ † 25 ½150 - k ž • 60 ½90sec;

2o• Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:25~150 - , Time:60~90sec.

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“ † y 270 r5 - ž • y 10 r1 sec. Temp.:270±5 Time:10±1 sec

G P á / Packaging SPEC.

• ^ x / BULK

Package Type 7>û ˜ E	Units ;>û ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Bag />Á	Bags/Inner Box >Á-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Bag>Á	Inner Box×	Outer Box1ç
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

ì ’ x / TUBE

Package Type 7>û ˜ E	Units ;>û ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Tube / •1×	Tubes/Inner Box •1× /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Tube •1×	Inner Box×	Outer Box1ç
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

„ Ð y ƒ / Notices