

# MBR140TZP

Rev.B Jul.-2023

DFN1006-2L

DFN1006-2L Plastic Package Schottky Barrier Rectifiers.

Ultra small package, Low positive pressure drop, can ignore the reverse recovery time, HF Product.

General purpose.



PIN1:Anode Ultra1 Tf0 -4.1 42.72 i /Im3 Do05.42 -44 Tw8.064.65( Do05.42 mh5m(78Do05.42 -446 Tw8

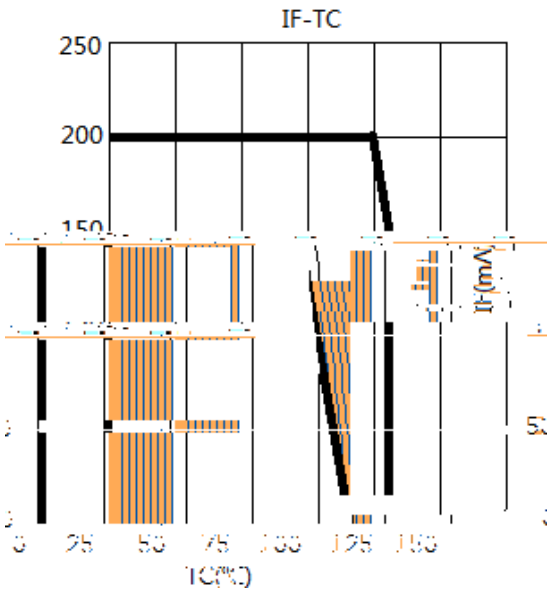
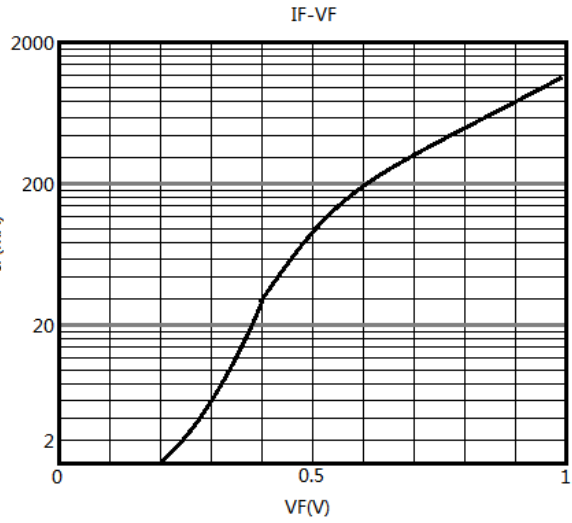
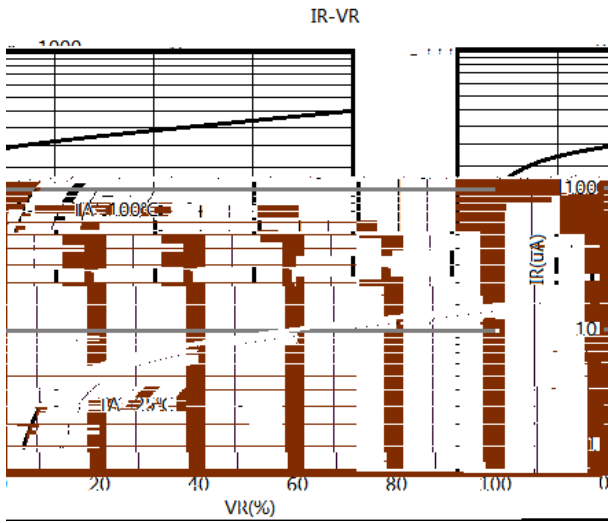
**/ Absolute Maximum Ratings(Ta=25 )**

Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	40	V
Maximum RMS voltage	$V_{RMS}$	28	V
Maximum DC Blocking Voltage	$V_{DC}$	40	V
Maximum Average Forward Rectified Current Tc=100	$I_{F AV}$	1	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	$I_{FSM}$	5	A
Operating and Storage Temperature Range	$T_j, T_{stg}$	-55~+125	

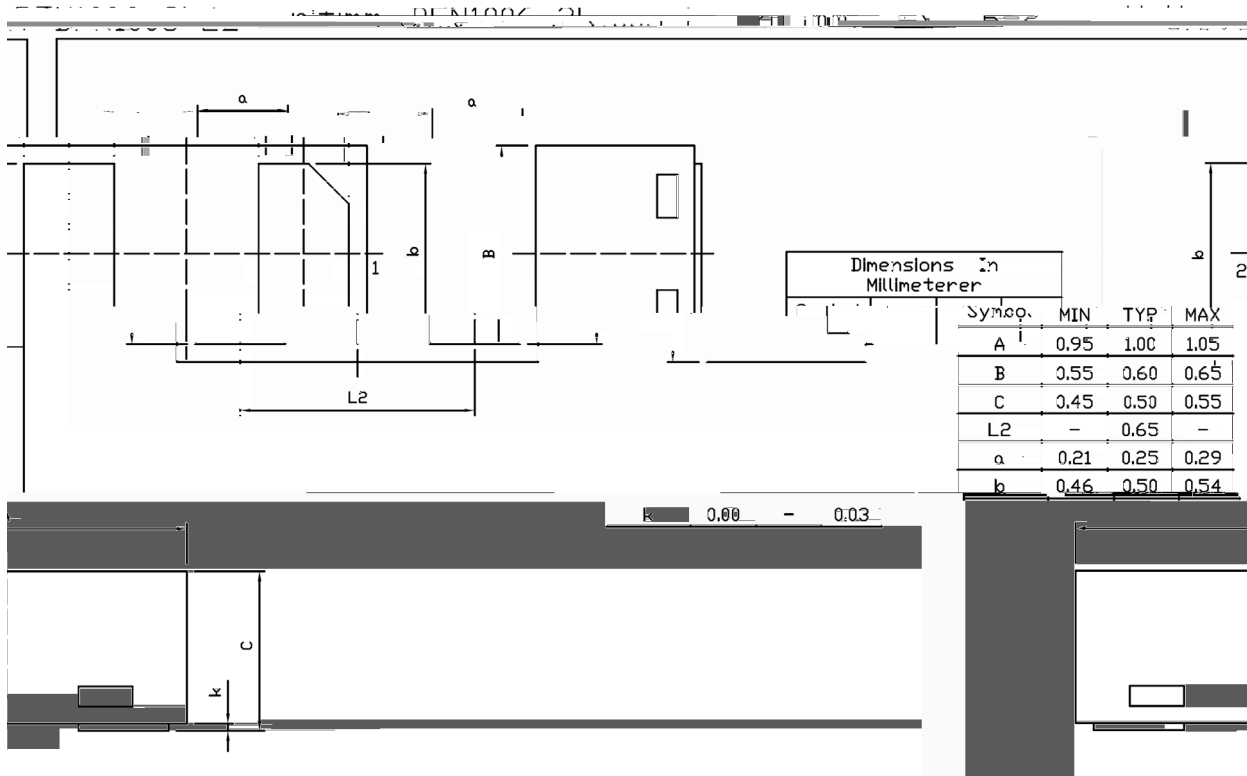
**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Maximum Instantaneous Forward Voltage	$V_F$	$I_F=1A$			0.61	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	$I_R$	$T_a=25$			20	uA
		$T_a=100$			500	uA

**/ Electrical Characteristic Curve**



**/ Package Dimensions**



Rev.01. 202108

**/ Marking Instructions**



H

AA

Note

H: Company Code

AA Product Type

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