

DBF21~DBF210

Rev.A Nov.-2023

/ Descriptions

2.0A DBF
2.0A Surface Mount Glass Passivated Bridge Rectifier, DBF thin package.

/ Features

100V~1000V 2.0A

Glass Passivated Die Construction,Low leakage,High Surge Current Capability,Reverse Voltage :100 to 1000V,Forward Current: 2.0A, Designed for Surface Mount Application,HF product.

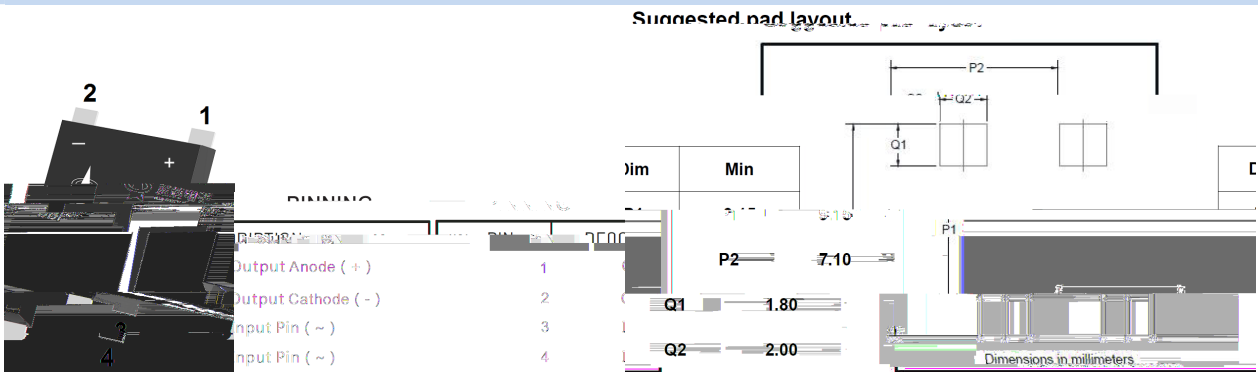
/ Applications

General purpose.

/ Equivalent Circuit



/ Pinning



/ Marking

See Marking Instructions.

DBF21~DBF210

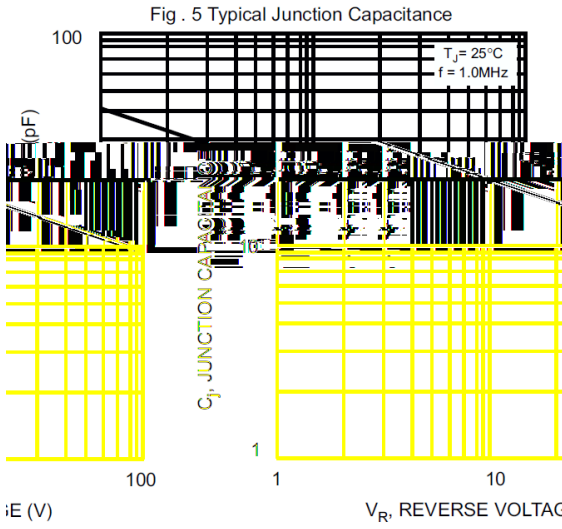
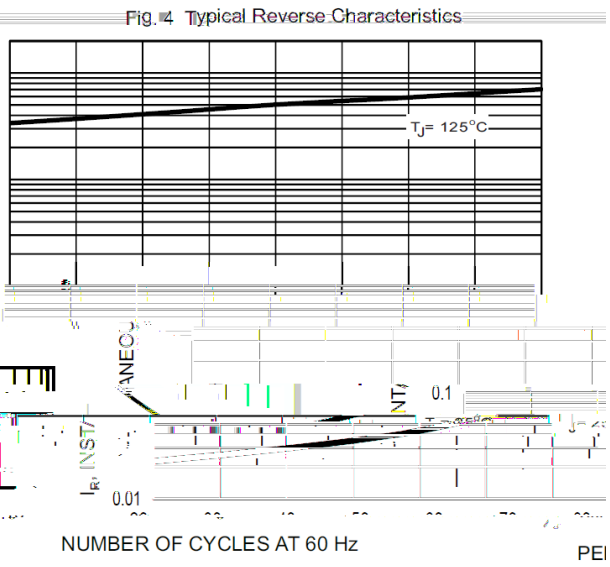
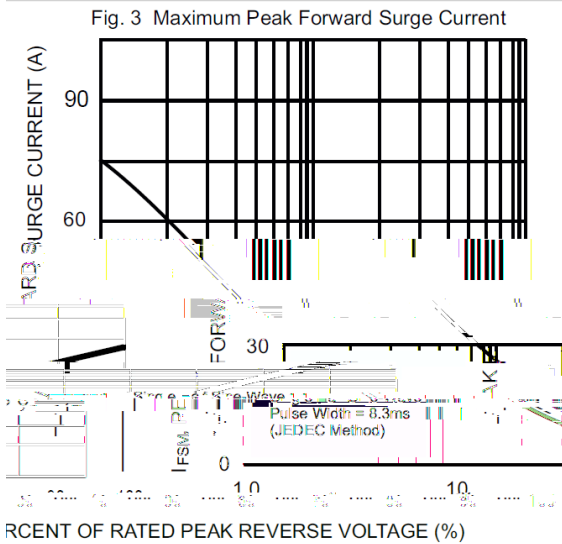
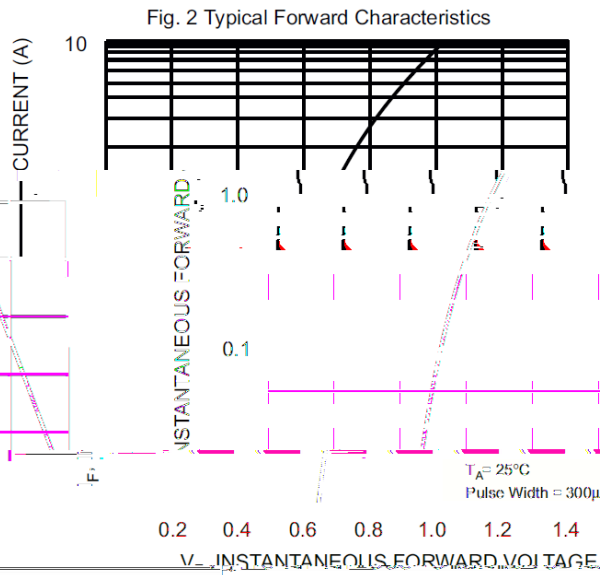
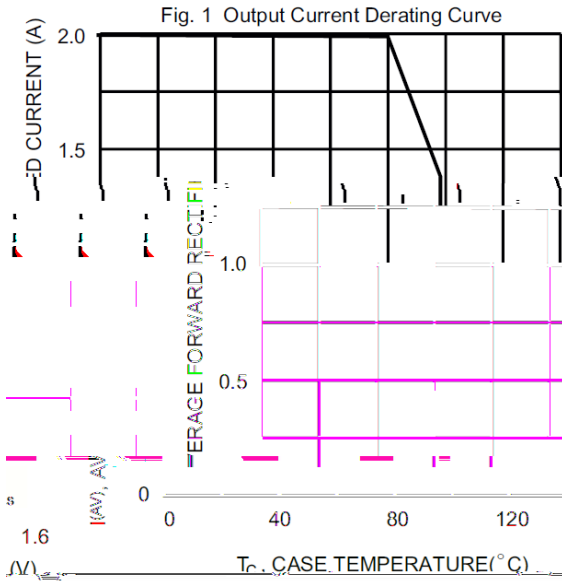
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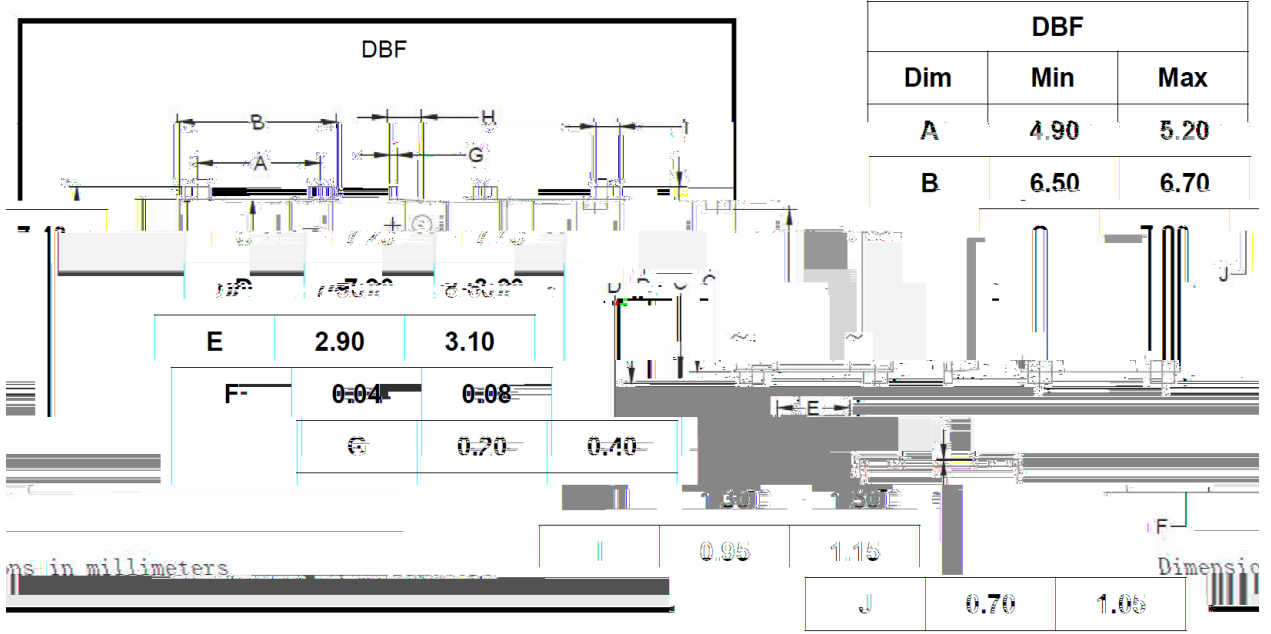
DATA SHEET

Parameter	Symbol	Rating						Unit
		DBF21	DBF22	DBF24	DBF26	DBF28	DBF210	
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_{DC}	100	200	400	600	800	1000	V
RMS Reverse Voltage	V_{RMS}	70	140	280	420	560	700	V
Average Rectified Output Current ^(Note1) @T=100	$I_{F(AV)}$	2.0						A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	75						A
I ² t Rating for Fusing (t < 8.3ms)	I ² t	23.344						A ² s
Typical Junction Capacitance ^(Note 2)	C_i	27						pF

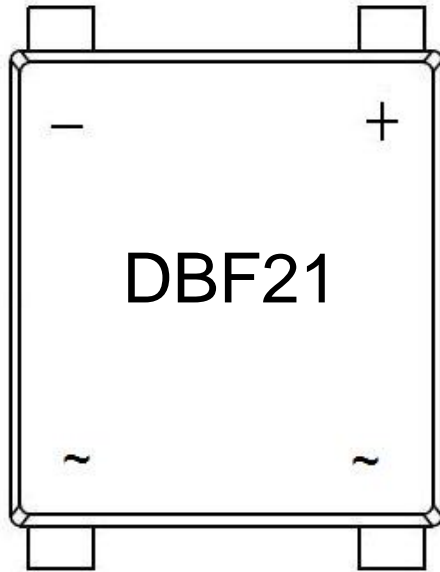
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



DBF21

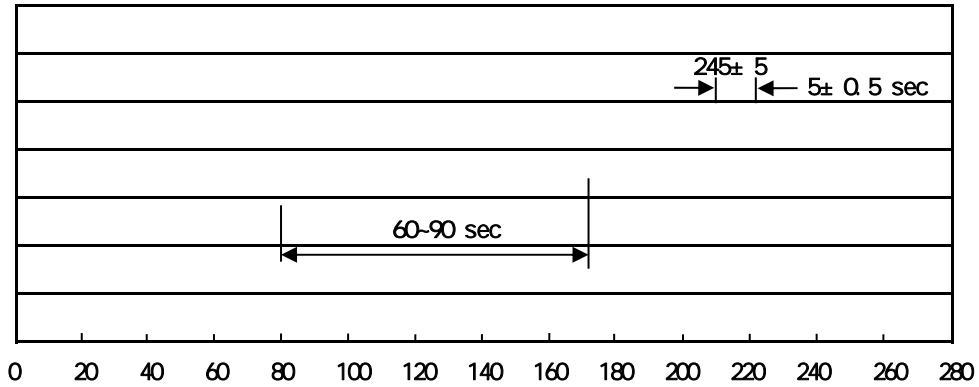
Note:

DBF21 Product Type

Marking

Type number	Marking code
DBF21	DBF21
DBF22	DBF22
DBF24	DBF24
DBF26	DBF26
DBF28	DBF28
DBF210	DBF210

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



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. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
DBF	3,000	2	6,000	6	36,000	13"×16	337×337×49	380×335×366

/ Notices