

/ Descriptions

2.0A

ABS/LBF

2.0A Surface Mount Glass Passivated Bridge Rectifier, ABS/LBF thin package.

/ Features

100V~1000V

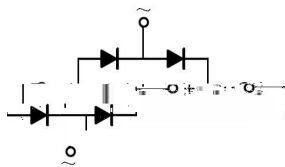
2.0A

Glass Passivated Chip Junction,Reverse Voltage:100to1000V,Forward Current:2.0A,High Surge Current Capability,Designed for Surface Mount Application, Halogen free product.

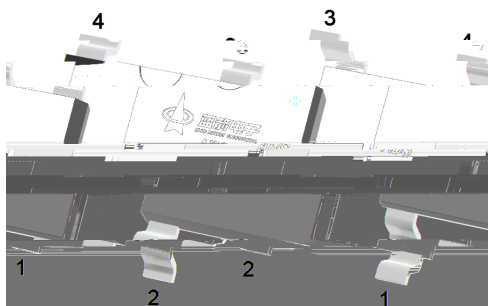
/ Applications

General purpose.

/ Equivalent Circuit

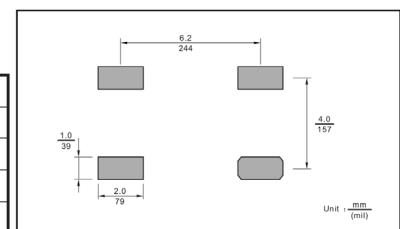


/ Pinning



PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)

The recommended mounting pad size



/ Marking

See Marking Instructions.

ABS201~ABS210

Rev.G Mar.-2026

Parameter	Symbol	Rating						Unit
		ABS201	ABS202	ABS204	ABS206	ABS208	ABS210	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at T _L = 100°C	I _o	2.0						A
Peak Forward Surge Current 8.3ms Single Half Sine Wave Superimposed on Rated Load(JEDEC Method)	I _{FSM}	60						A
Current Squared Time@1ms≤t<8.3ms, T _a =25°C, Rating of per diode	I ² T	14.9						A ² Sec
Typical Junction Capacitance ^(Note1)	C _j	25						pF
Typical Thermal Resistance Note2	R _{θJA}	65						/W
	R _{θJc}	20						

Operating and Storage
Temperature Range

ABS201~ABS210



/ Marking Instructions



ABS210

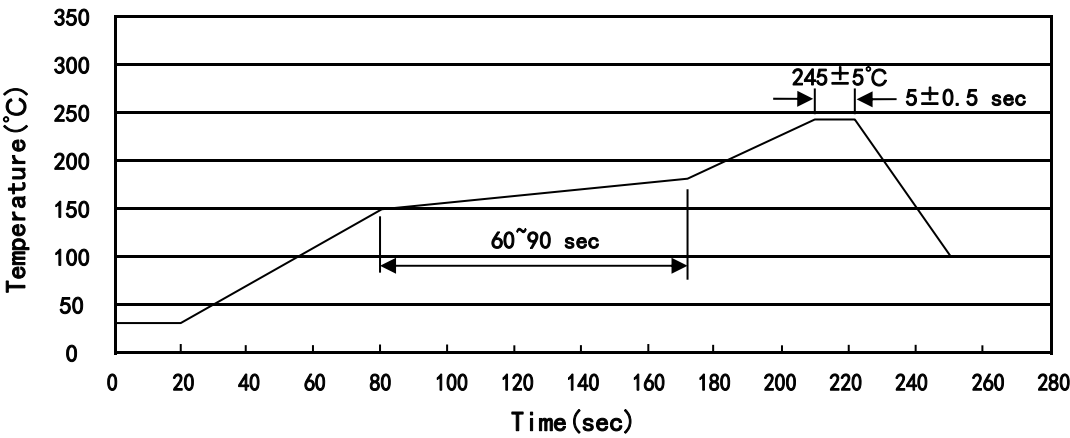
Note:

ABS210

Product Type

Lot No. Code, code change with Lot No.

() / 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
ABS/LBF	5,000	2	10,000	7	70,000	13" ×12	336X336X40	380X335X366

/ Notices