

ABS210 VOLTAGE RANGE 1000 Volts

CURRENT 2.0 Ampere

Features

<u>ABS</u>



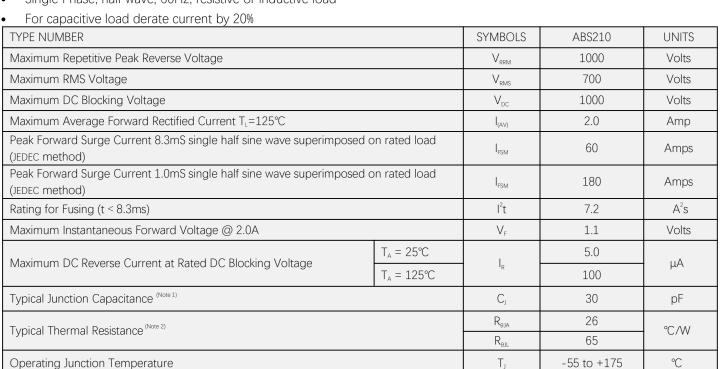
- Glass passivated chip
- Low forward voltage drop
- Low leakage current
- High forward surge capability
- High temperature soldering: 260°C/10S at terminals
- Component in accordance to ROHS 2002/95/1 and WEEE 2002/96/EC

Mechanical Data

- Case: Molded plastic body
- Molding compound meets UL 94 V-0 flammability rating, Halogen-free, RoHS-compliant, and commercial grade
- Polarity: Molded on body
- Weight: 0.003 ounce, 0.10 grams

Maximum Ratings and Electrical Characteristics

- Ratings at 25°C ambient temperature unless otherwise specified
- Single Phase, half wave, 60Hz, resistive or inductive load

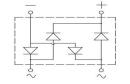


Notes:

Storage Temperature Range

- 1. Measured at 1.0MHz and applied reverse voltage of 4.0 Volts.
- 2. Thermal Resistance test performed in accordance with JESD-51. Unit mounted on 15mm*12mm*1.6mm AL pad attach 195mm*110mm*10mm steel plate.
- 3. The typical data above is for reference only.





-55 to +175

 $\mathsf{T}_{\mathsf{STG}}$

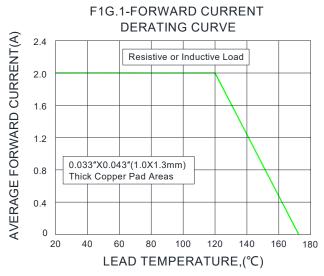
°C

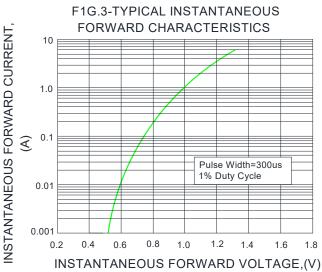


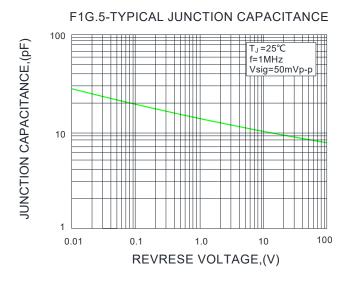
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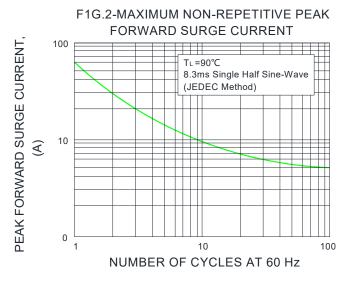
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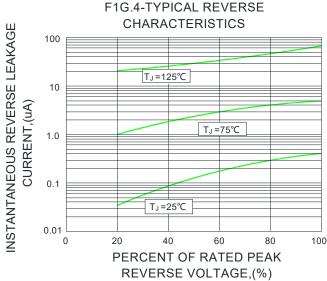
Ratings and Characteristic Curves (T_A=25°C unless otherwise noted)







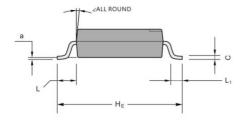


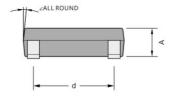


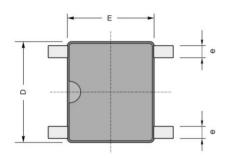


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Package Outline Dimensions in inches (millimeters)







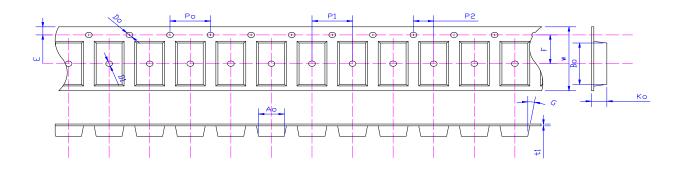
UNIT		А	С	D	E	HE	d	е	L	L ₁	а	Z
mm	max	1.5	0.25	5.2	4.5	6.5	4.2	0.7	0.95	0.6	0.2	7°
	min	1.3	0.15	4.9	4.2	6.0	3.8	0.5				
mil	max	59	8.7	205	177	256	165	28	- 37 24	24	8	
	min	51	5.9	193	166	236	150	20		24		



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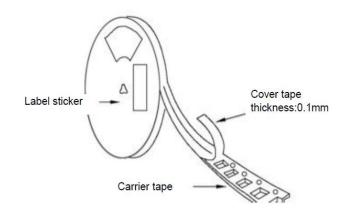
Packing Requirments

• PS black anti-static carrier tape packing



Specifications	Ao	Во	Ко	Ро	W	t1
ABS	5.31±0.10	6.68±0.10	1.59±0.10	4.00±0.1	12.0±0.10	0.30±0.02

• 13 "antistatic plastic reel

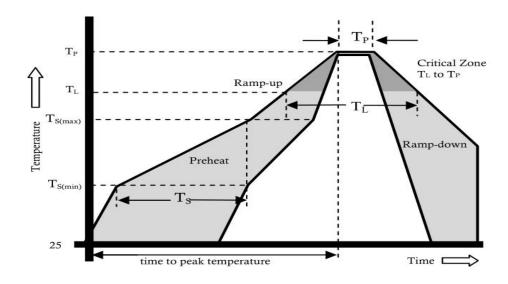


	13" Reel						
DEVICE TYPE	Q'TY/REEL(pcs)	REEL/BOX	BOX/CARTOON	Q'TY/CARTON(pcs)			
ABS	5000	2	8	80000			



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Reflow Profile



	Reflow Condition	Pb-Free Assembly		
	Temperature Min.	+150°C		
Pre Heat	Temperature Max.	+200°C		
	Time(Min to Max)	60-180 secs.		
Average ram	np up rate(Liquidus Temp(T _L) to peak)	3°C/sec. Max.		
T _s (max) to $T_{\scriptscriptstyle L}$ - Ramp-up Rate	3°C/sec. Max.		
Reflow	Temperature (T₁)(Liquidus)	+217°C		
Reliow	Temperature (T₋)	60-150 secs.		
	Peak Temp (T _P)	+(260+0/-5)°C		
Time wit	thin 5°C of actual Peak Temp (T♭)	25 secs.		
	Ramp-down Rate	6°C/sec. Max.		
Tiı	me 25°C to peak Temp (T♭)	8 min. Max.		
	Do not exceed	+260°C		



SURFACE MOUNT GLASS PASSIVATED STANDARD RECTIFIER BRIDGE

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Disclaimer

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