

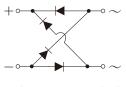
FEATURES

The Plastic Material Used Carries Underwriters Laboratory

Flammability Recognition 94V-0

Ideal For Printed Circuit Board Application





ABS Schematic Symbol

MECHANICAL DATA

Case: Molded Plastic	
Terminals: Plated Leads Solderable Per MIL-STD-202,Method 208	
Polarity: Marked On Body	
Mounting Position: Any	

APPROVALS

RoHS Compliance with 2011/65/EU

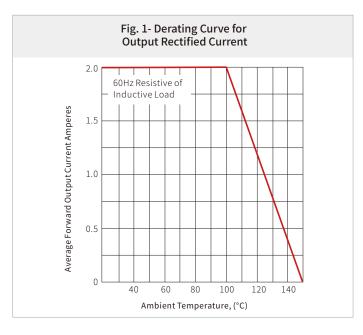
MAXIMUM RATINGS AND CHARACTERISTICS ($T_A = 25$ °C)

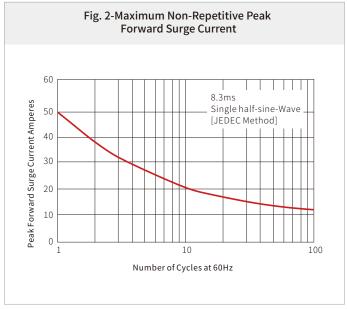
Parameter		Symbol	ABS 2005	ABS 201	ABS 202	ABS 204	ABS 206	ABS 208	ABS 210	Unit
Marking			ABS2005	ABS201	ABS202	ABS204	ABS206	ABS208	ABS210	
Maximum Repetitive Peak Reverse Vo	ltage	$V_{_{\mathrm{RRM}}}$	50	100	200	400	600	800	1000	
Maximum RMS Bridge Input Voltage		$V_{\rm RMS}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		V _{DC}	50	100	200	400	600	800	1000	
Maximum Average Forward Rectified Output Current At T _c =100°C		I _{F(AV)}	2						۸	
Peak Forward Surge Current Single Sine-wave Superimposed On Rated Load (Jedec Method)		I _{FSM}	50					А		
Maximum Instantaneous Forward Voltage Drop Per Leg at 2A		V _F	1.1						V	
Maximum DC Reverse Current at	T _A =25°C		10					Λ		
Rated DC Blocking Voltage Per Element	T _A =125°C	- I _R	500						μΑ	
Typical Thermal Resistance Per Element (1)		R _{eja}	25					°C/W		
Rating For Fusing (t<8.3ms)		I²t	15					A²sec		
Operating Junction and Storage Temperature Range		T _J ,T _{STG}	-55 to +150						°C	

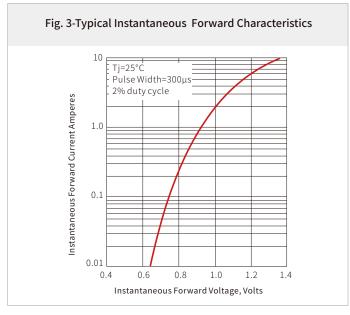
Notes: (1)Thermal Resistance From Junction to Ambient on P.C.board Mounting.

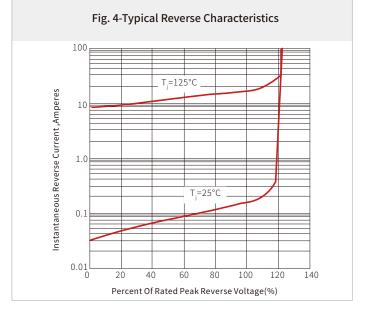


CHARACTERISTIC CURVES

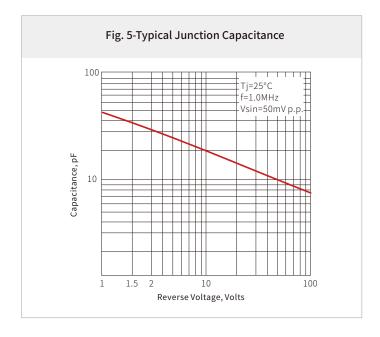






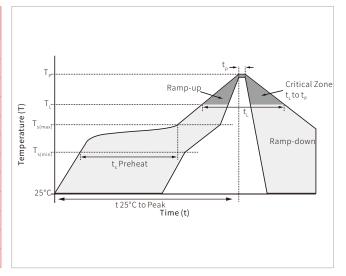






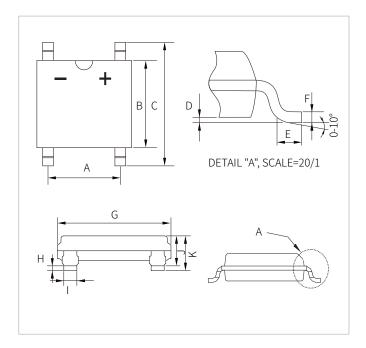
SOLDERING PARAMETERS

	Lead-free assembly					
	Temperature Max (T _{s(min)})	150°C				
Pre Heat	Temperature Max (T _{s(max)})	200°C				
	Time (min to max) (t _s)	60 – 180 secs				
Average ran	Average ramp up rate (Liquidus Temp (T _L) to peak					
	3°C/second max					
Reflow	Temperature (T _L) (Liquidus)	217°C				
Reliow	Time (min to max) (t _L)	60 – 150 seconds				
Peak Temp	260°C					
Time within	20 – 40 seconds					
Ramp-dow	6°C/second max					
Time 25°C t	8 minutes max.					
Do not exce	260°C					





ABS PACKAGE INFORMATION



Ref.	Millim	neters	Inches		
	Min.	Max.	Min.	Max.	
А	3.80	4.40	0.150	0.174	
В	4.30	4.50	0.169	0.177	
С	6.20	6.80	0.244	0.268	
D	0.05	0.15	0.002	0.006	
E	0.20	1.50	0.008	0.059	
F	0.15	0.25	0.006	0.010	
G	4.90	5.40	0.193	0.210	
Н	0.05	0.15	0.002	0.006	
I	0.55	0.85	0.022	0.033	
J	1.22	1.42	0.048	0.056	
K	1.501	Мах.	0.059Max.		

ORDERING INFORMATION

Part Number	Component Package	QTY/Reel	Reel Size
ABS2005-ABS210	ABS	5000PCS	13"



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By QR Code





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