



YEA SHIN TECHNOLOGY CO., LTD

ABS22 THRU ABS210

Surface Mount Glass Passivated Bridge Rectifier



Voltage Range 200 to 1000 Volts Current 2.0 Amperes

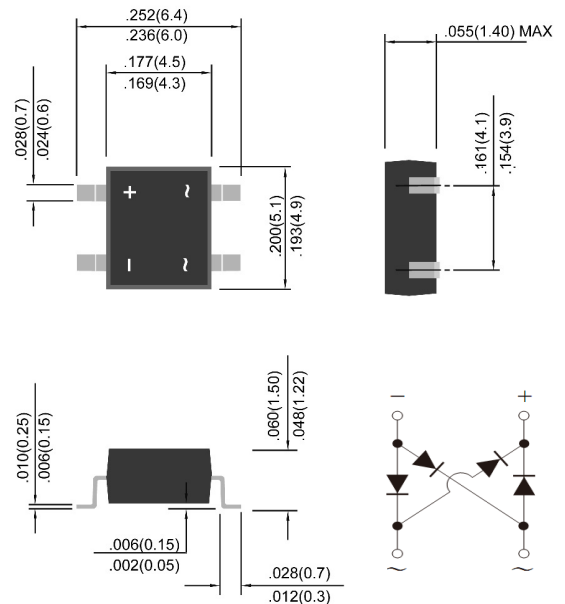
Features

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Designed for surface mount application
- Plastic material-UL flammability 94V-0

Mechanical Data

- Case: molded plastic TBS
- Terminals: plated leads solderable per MIL-STD-202, Method 208
- Polarity: as marked on case
- Mounting position: Any
- Marking: type number

Thin Mini-Dip (THIN MD)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	ABS22	ABS24	ABS26	ABS28	ABS210	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	140	280	420	560	700	V
Maximum DC Voltage	V _{DC}	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @Tc=100℃	I _{F(AV)}	2.0					A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Raged Load (JEDEC method)	I _{FSM}	60					A
I ² t Raging for Fusing (t<8.3ms)	I ² t	14.94					A ² S
Maximum Instantaneous Forward Voltage at I _F =1.0A at I _F =2.0A	V _F	0.95 1.0					V
Maximum DC Reverse Current at T _A =25℃ at Raged DC Blocking Voltage T _A =125℃	I _R	5.0 200					uA
Typical Thermal Resistance	R _{θJL}	25					℃/W
	R _{θJA}	62.5					
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150					℃

DEVICE CHARACTERISTICS

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FIG.1 FORWARD CURRENT DERATING CURVE

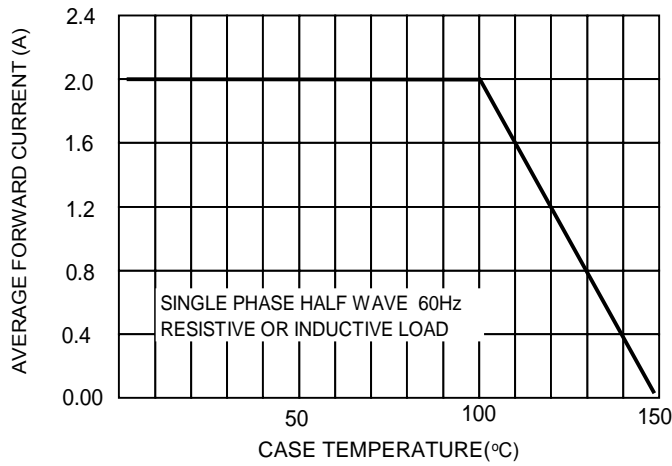


FIG.2 TYPICAL FORWARD CHARACTERISTICS

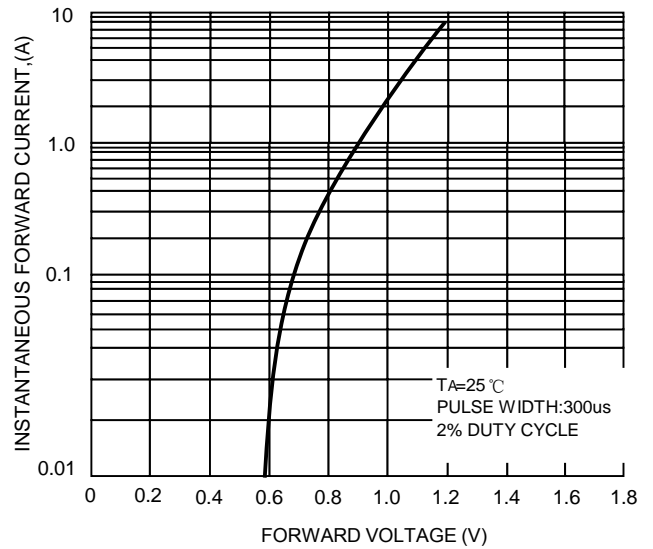


FIG.3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

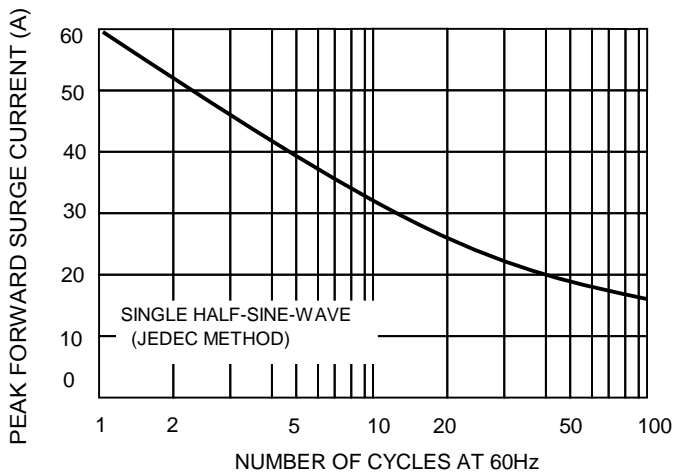
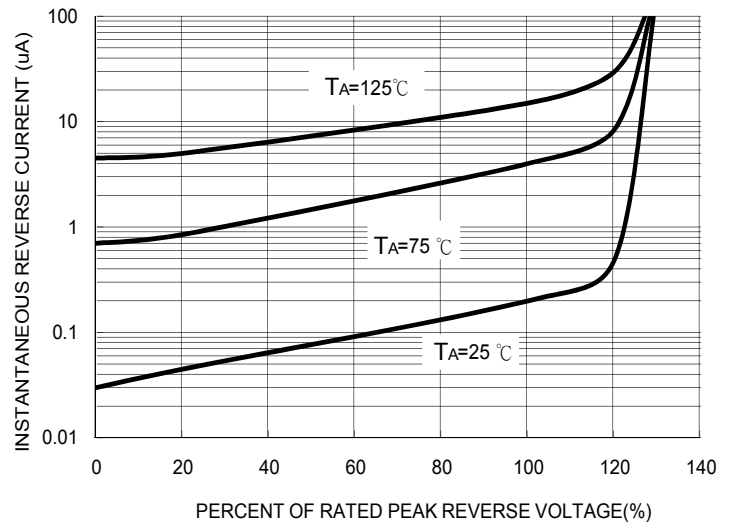


FIG. 4 TYPICAL REVERSE CHARACTERISTICS



ABS PAD LAYOUT

