



RABS21 THRU RABS210

Voltage Range - 100 to 1000 Volts Current - 2.0 Ampere

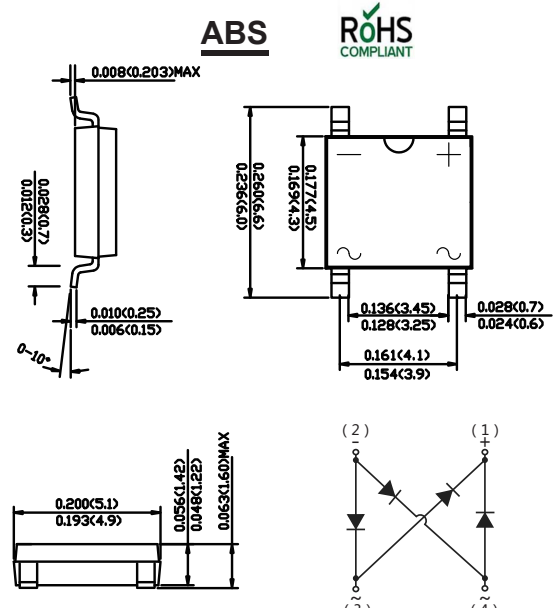
GLASS PASSIVATED SURFACE MOUNT BRIDGE RECTIFIERS

Features

- ◆ Glass Passivated Chip Junction
- ◆ Reverse Voltage - 100 to 1000 V
- ◆ Forward Current- 2.0 A
- ◆ Fast reverse recovery time
- ◆ Designed for Surface Mount Application

Mechanical Data

Case: JEDEC ABS molded plastic body
 Terminals: Solderable per MIL-STD-750, Method 2026A
 Polarity: Polarity symbol marking on body Mounting
 Position: Any
 Weight : 0.0031 ounce, 0.088 grams



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 current derate by 20%.

Parameter	Symbols	MDD	MDD	MDD	MDD	MDD	MDD	Units
		RABS21	RABS22	RABS24	RABS26	RABS28	RABS210	
Marking Code								
Maximum Repetitive 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 $T_c = 115^\circ\text{C}$	I_O	2.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	50						A
Maximum Forward Voltage at 2.0 A	V_F	1.3						V
Maximum DC Reverse Current @ $T_a=25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_a=125^\circ\text{C}$	I_R	5.0 200						μA
Typical Junction Capacitance (Note 1)	C_j	40						pF
Typical Thermal Resistance (Note2)	$R_{\theta JA}$	50						$^\circ\text{C/W}$
Maximum Reverse Recovery Time (Note3)	t_{rr}	500						ns
Operating and Storage Temperature Range	T_j, T_{stg}	-55 ~ +150						$^\circ\text{C}$

Note: 1. Measured at 1MHz and applied reverse voltage of 4 V D.C.

2. Mounted on glass epoxy PC board with $4 \times 1.5 \times 1.5$ (3.81 x 3.81 cm) copper pad areas.

3. Measured with $I = 0.5 \text{ A}$, $I = 1 \text{ A}$, $I_{rr} = 0.25 \text{ A}$.



RABS21 THRU RABS210

Voltage Range - 100 to 1000 Volts Current - 2.0 Ampere

Typical Characteristics

Fig.1 Average Rectified Output Current Derating Curve

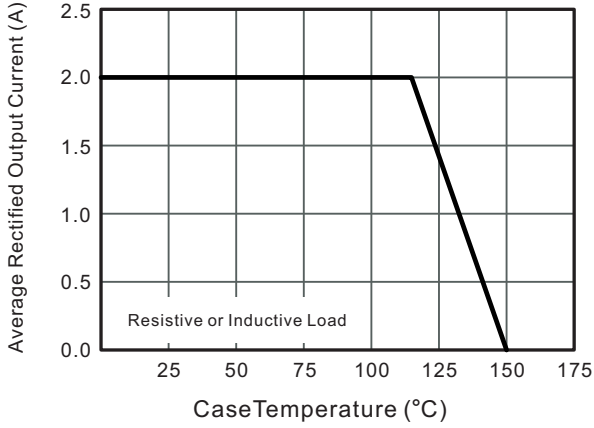


Fig.2 Typical Reverse Characteristics

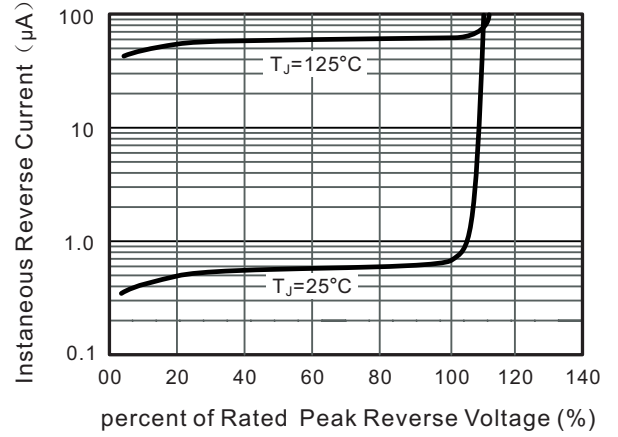


Fig.3 Typical Instantaneous Forward Characteristics

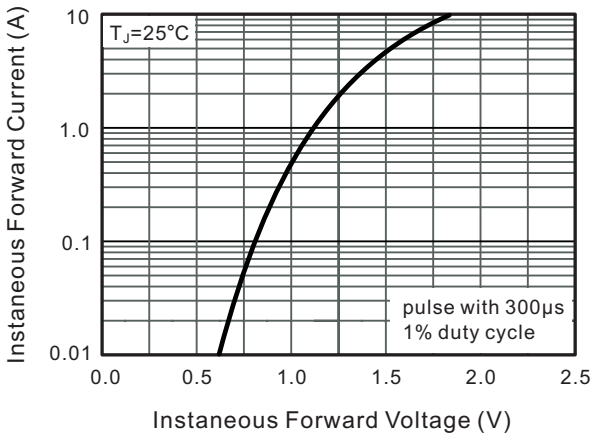


Fig.4 Typical Junction Capacitance

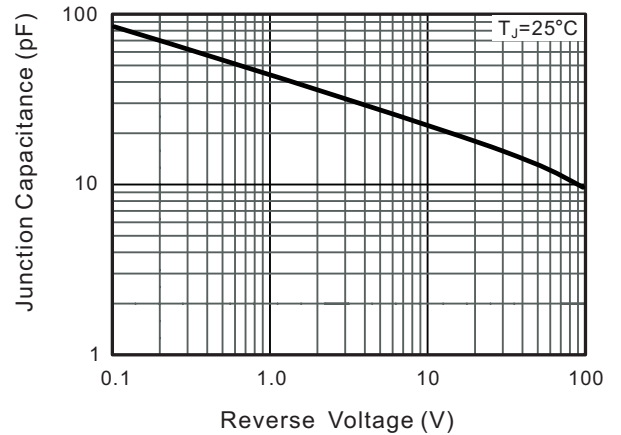
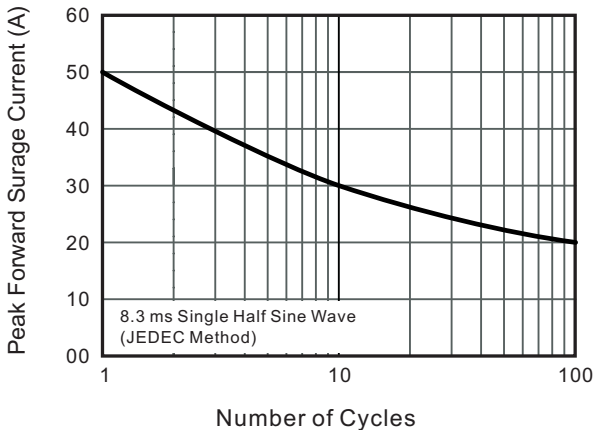


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current



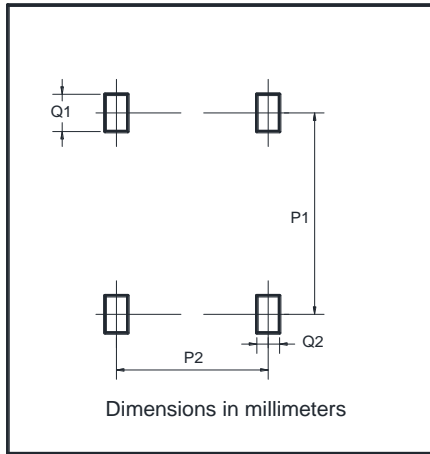
The curve above is for reference only.



RABS21 THRU RABS210

Voltage Range - 100 to 1000 Volts Current - 2.0 Ampere

Suggested Pad Layout



Dim	Min
P1	5.72
P2	4.00
Q1	1.00
Q2	0.90

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bridge Rectifiers](#) category:

Click to view products by [Microdiode Electronics](#) manufacturer:

Other Similar products are found below :

[MB2510](#) [MB252](#) [MB356G](#) [MB358G](#) [GBJ1504-BP](#) [GBU10B-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU4D-BP](#) [GBU6B-E3/45](#) [DB101-BP](#) [DF01](#)
[DF10SA-E345](#) [BU1508-E3/45](#) [BU1510-E3/45](#) [KBPC50-10S](#) [RS405GL-BP](#) [GBJ1502-BP](#) [GBU6M](#) [GSIB1520-E3/45](#) [36MB140A](#) [TB102M](#)
[MB1510](#) [MB86](#) [TL401G](#) [MDA920A2](#) [TU602](#) [TU810](#) [MP5010W-BP](#) [MP501W-BP](#) [MP502-BP](#) [BR84DTP204](#) [BU1508-E3/51](#) [KBPC25-02](#)
[VS-110MT120KPBF](#) [VS-2KBB60](#) [VS-60MT120KPBF](#) [VS-60MT80KPBF](#) [DB105-BP](#) [DF1510S](#) [VS-40MT160PAPBF](#) [VISKBU8K-E4/51](#)
[36MT100](#) [GBU4G-BP](#) [GBU6B-E3/51](#) [DF15005S-E3/77](#) [GSIB15A80-E3/45](#) [DB104-BP](#) [D3SB60](#) [TB354](#)