2W005G THRU 2W10G

GLASS PASSIVATED BRIDGE RECTIFIERS Reverse Voltage – 50 to 1000 Volts Forward Current – 2.0 Amperes

Features

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Reliable low cost construction utilizing molded epoxy technique results in inexpensive product

9.86 8.84 4.60 4.00

Dimensions in mm

Mechanical Data

• Case: Molded plastic

Polarity: As marked on BodyMounting position: Any

Aboslute Maximum Ratings and Characteristics

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

	Symbols	2W005G	2W01G	2W02G	2W04G	2W06G	2W08G	2W10G	Units
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified current at $T_A = 25$ $^{\circ}C$	I _(AV)	2							Α
Peak forward surge current , 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I _{FSM}	60							А
Maximum forward voltage at 2.0A DC	V _F	1.1						V	
Maximum DC reverse current $\textcircled{0}$ T _J = 25 $^{\circ}$ C at rated DC blocking voltage $\textcircled{0}$ T _J =125 $^{\circ}$ C	I _R	5 500							μА
Typical junction capacitance per element (Note 1)	CJ	25							pF
Typical thermal resistance (Note 2)	$R_{\theta JA}$	40							°C/W
Operating temperature range	TJ	-55 to +150							°С
Storage temperature range	Ts	-55 to +150							°С

Notes: (1) Measured at 1MHz and appliad reverse voltage of 4V DC.

(2) Thermal resistance junction to ambient.



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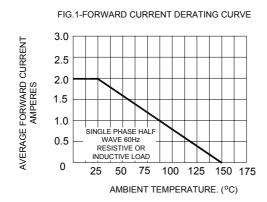


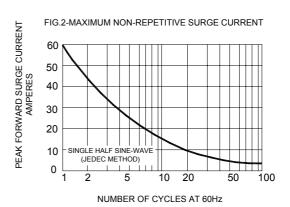


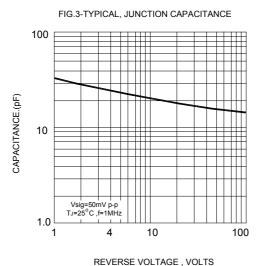


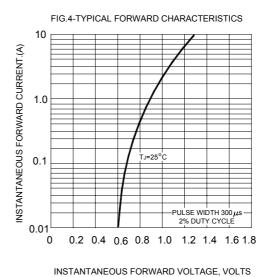
Dated: 23/06/2003

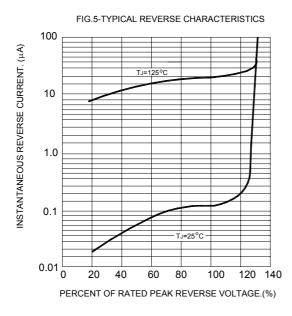
RATINGS AND CHARACTERISTIC CURVES (2W005G THRU 2W10G)













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