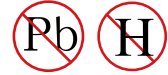




YEA SHIN TECHNOLOGY CO., LTD

DB201 THRU DB207

SINGLE PHASE 2.0 AMP BRIDGE RECTIFIERS
VOLTAGE RANGE 50 to 1000 V CURRENT 2.0 A
Glass passivated type



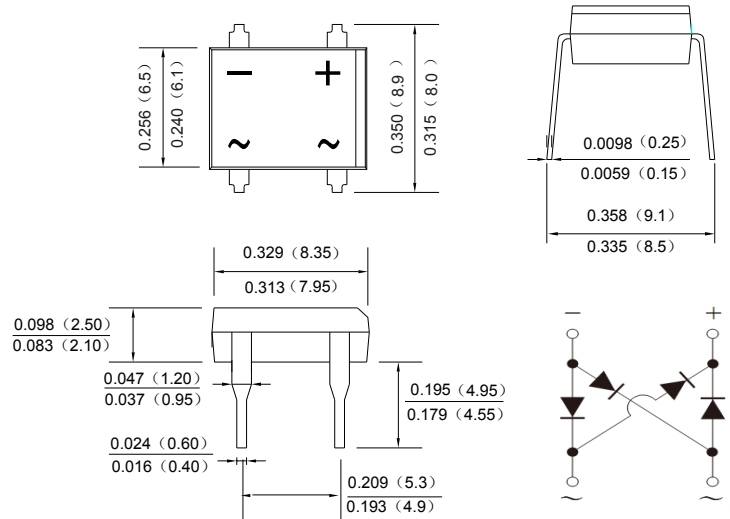
FEATURES

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability
- Polarity: marked on body
- Mounting position: Any
- High temperature soldering : 260 °C / 10 seconds at terminals
- Pb free product at available : 99% Sn above meet RoHS environment substance directive request

Mechanical data

- Case : Molded plastic, DF
- Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity : Marked on body
- Mounting Position : Any

DIP Unit : inch(mm)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	DB201	DB202	DB203	DB204	DB205	DB206	DB207	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Ta=40°C	2.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	60							A
Maximum Forward Voltage Drop per Bridge Element at 2.0A D.C.	1.1							V
Maximum DC Reverse Current Ta=25 °C at Rated DC Blocking Voltage Ta=125 °C	5.0 500							uA
Operating Temperature Range, TJ	-55 to + 150							
Storage Temperature Range, TSTG	-55 to + 150							

DEVICE CHARACTERISTICS

DB201 THRU DB207

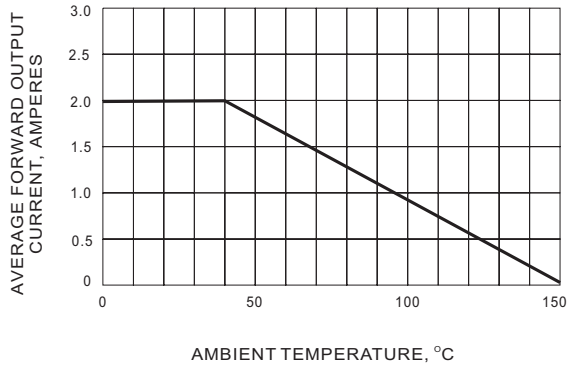


FIG. 1 DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

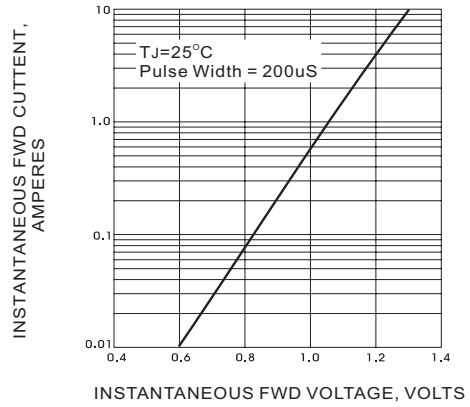


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

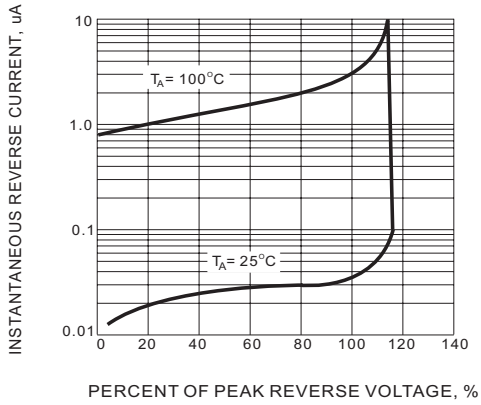


FIG. 3 TYPICAL REVERSE CHARACTERISTICS

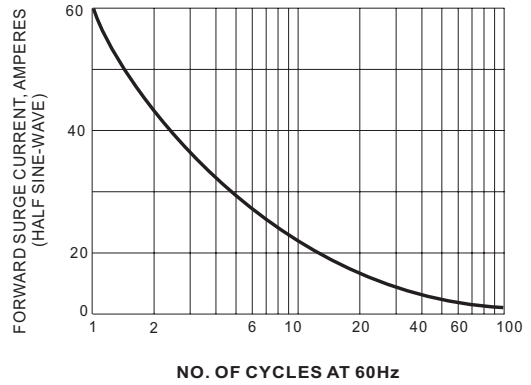


FIG. 4 MAX NON-REPETITIVE SURGE CURRENT