25.0A Single-Phase Bridge Rectifier



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Features

- Plastic molded structure
- Glass passivation for high reliability
- Peak reverse voltage: V_{RM}=600V
- Average output current: IO=25.0A

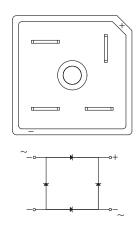
SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS at Ta = 25°C (Note 1)

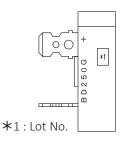
Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V _{RM}	600	V
Average Output Current Ta = 40°C		6.0	Α
Average Output Current Ta = 40°C With 300 × 300 × 3.0mm ³ Cu fin	Ю	25.0	А
Surge Forward Current 50Hz sine wave, 1cycle	I _{FSM}	400	А
Junction Temperature	Tj	150	°C
Storage Temperature	Tstg	-40 to +150	°C
Directive Strength Voltage Terminals tc case, AC 1 minute	VIS	2	kV

Note 1: Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

ELECTRICAL CONNECTION



MARKING



ORDERING INFORMATION

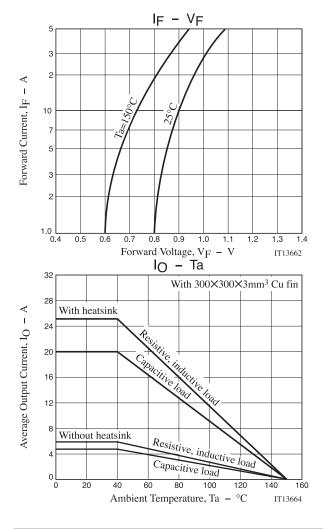
See detailed ordering and shipping information on page 4 of this data sheet

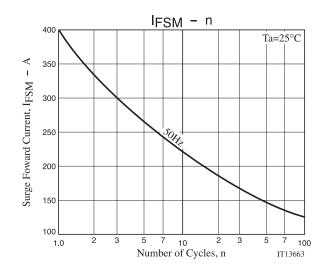
ELECTRICAL CHARACTERISTICS at Ta = 25°C (Note 2)

Parameter S	Symbol	Conditions	Value			Unit
	Symbol		min	typ	max	Offic
Forward Voltage	٧F	I _F = 12.5A			1.05	V
Reverse Current	IR	V _R = At each V _{RM}			10	μΑ
Thermal Resistance	Rth(j-c)	Junction-Case			1.5	°C/W

Note 2 : Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Note 3: Maximum tightening torque: 0.98Nm



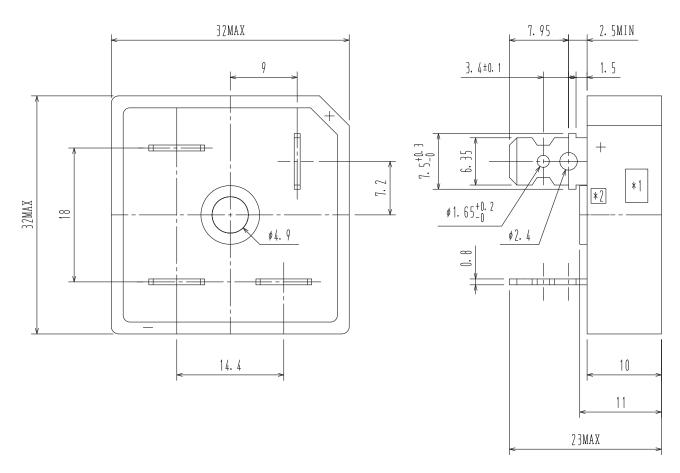


PACKAGE DIMENSIONS

unit : mm

GBPC 32x32 / DBD250

CASE 160AB ISSUE O



*****1 : Lot No.

*****2:G

ORDERING INFORMATION

Device	Marking	Package	Shipping
DBD250G	BD250G	GBPC 32x32 / DBD250 (Pb-Free)	50pcs / Tray 250pcs / Box

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