

TDSEMIC

拓電半導體

自主封測 品質把控 售後保障

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電源管理



顯示驅動



二三極管



LDO穩壓器



觸摸芯片



MOS管



運算放大器



存儲芯片



MCU



串口通信

GBU610-TD

產品規格說明書

Features

- ◆ Surge overload rating -175 amperes peak
- ◆ Ideal for printed circuit board
- ◆ Reliable low cost construction utilizing molded plastic technique
- ◆ Plastic material has U/L lammability classification 94V-0

Mechanical Data

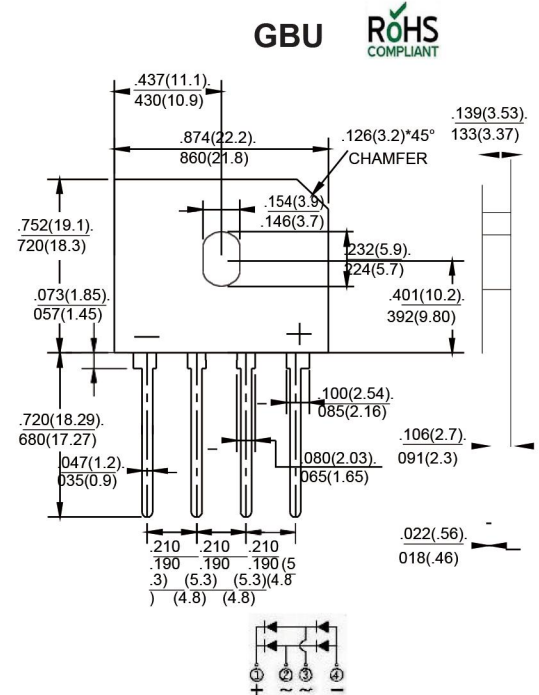
Case : JEDEC GBU Molded plastic body

Terminals : Solder plated, solderable per MIL-STD-750,Method 2026

Polarity : Polarity symbol marking on body

Mounting Position : Any

Weight : 0.00XX ounce, 0.0XX grams



Maximum Ratings And Electrical Characteristics

Dimensions in inches and (millimeters)

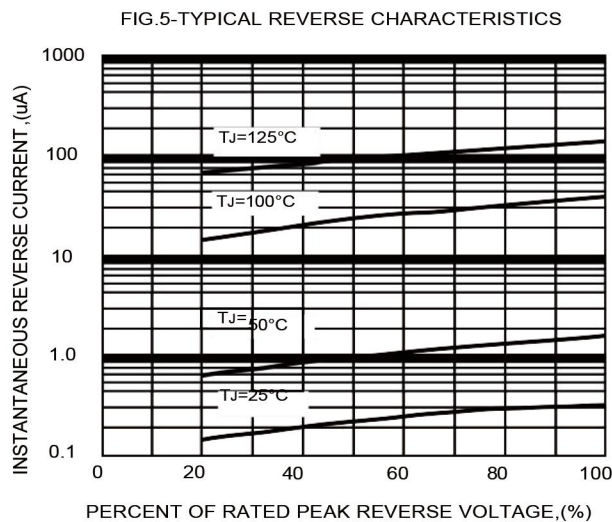
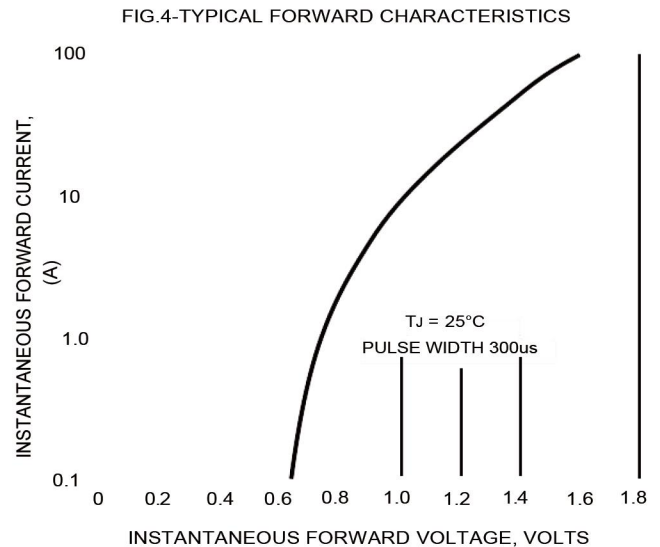
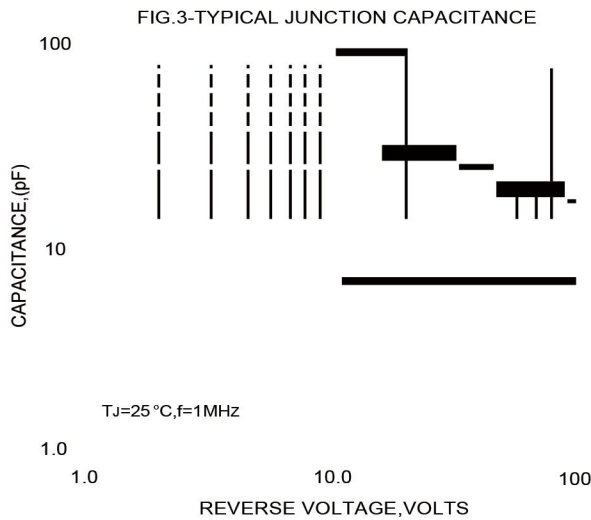
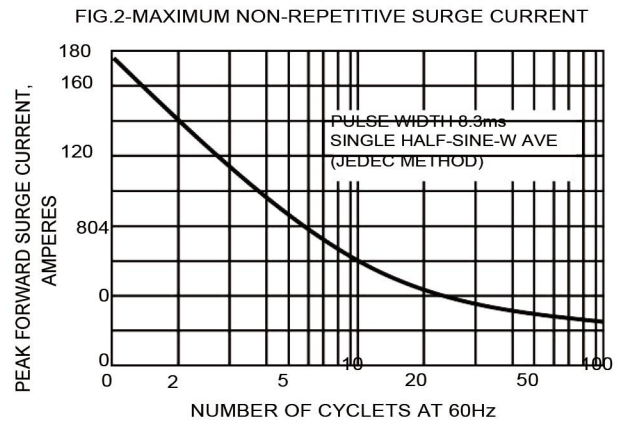
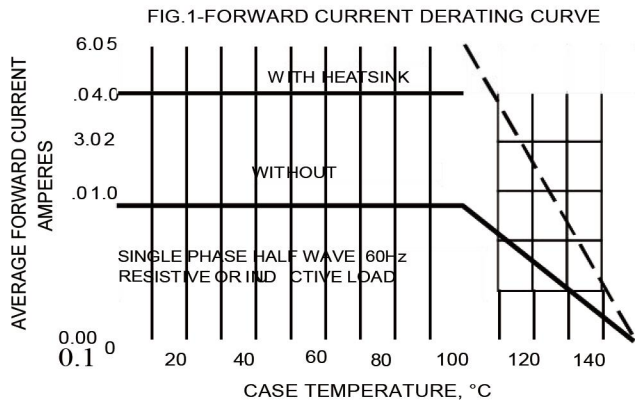
Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Parameter	SYMBOLS	CRK GBU6005	CRK GBU601	CRK GBU602	CRK GBU604	CRK GBU606	CRK GBU608	CRK GBU610	UNITS
Marking Code									
Maximum repetitive 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 6	600	800	1000	V
Maximum average forward (with heatsink NOTE 2) Rectified current @ $T_c=100^\circ\text{C}$ (without heatsink)	I_{AV}	.02. 8							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	175							A
Rating for Fusing ($t < 8.3\text{ms}$)	I^2t	127							A ² s V
Maximum forward voltage at 3.0A DC	V_F	1.1							μA mA
Maximum DC reverse current $T_A=25^\circ\text{C}$ at rated DC blocking voltage $T_A=125^\circ\text{C}$	I_R	10 0.5							pF °C/W
Typical Junction Capacitance (Note 1)	C_J	50							
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	2.2							
Operating junction temperature range	T_J	-55 to +150-							°C °
storage temperature range	T_{STG}	55 to +150							C

NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
2. Device mounted on 75mm*75mm*1.6mm cu plate heatsink.3
The typical data above is for reference only.

Reverse Voltage - 50 to 1000 Volts Forward Current - 6.0Amperes



The curve above is for reference only.