

MSKSEMI 美森科

SEMICONDUCTOR



ESD



TVS



TSS



MOV



GDT



PLED

GBU10005-MS THRU GBU1010-MS

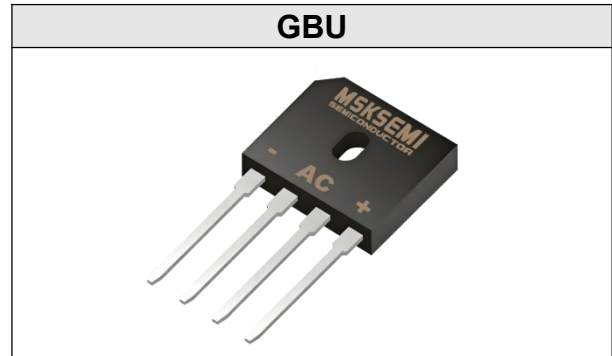
Product specification

VOLTAGE RANGE: 50 - 1000V
CURRENT: 10 A

FEATURES

- Ideal for printed circuit board
- Low forward voltage
- Low leakage current
- Polarity: marked on body
- Mounting position: Any

REFERENCE NEWS



Marking

GBU10005-MS	GBU1001-MS	GBU1002-MS	GBU1004-MS
GBU1006-MS	GBU1008-MS	GBU1010-MS	

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	GBU10005-MS	GBU1001-MS	GBU1002-MS	GBU1004-MS	GBU1006-MS	GBU1008-MS	GBU1010-MS	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 Tc=70°C	10							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	200							A
Maximum Forward Voltage Drop per Bridge Element at 5.0A D.C.	1.1							V
Maximum DC Reverse Current at Ta=25°C	5.0							μA
Rated DC Blocking Voltage Ta=100°C	500							μA
Operating Temperature Range, Tj	-65 to + 150							°C
Storage Temperature Range, Tstg	-65 to + 150							°C

RATING AND CHARACTERISTIC CURVES (GBU10005-MS THRU GBU1010-MS)

FIG.1-TYPICAL FORWARD CURRENT
DERATING CURVE

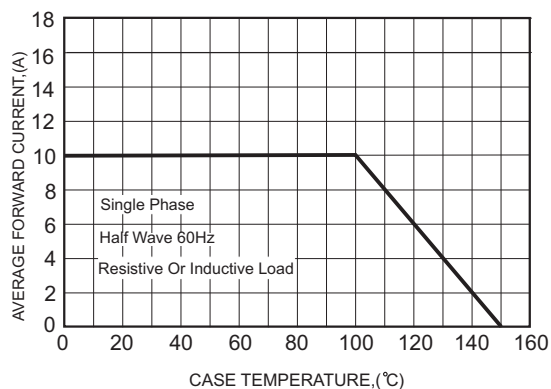


FIG.2-MAXIMUM NON-REPETITIVE FORWARD
SURGE CURRENT

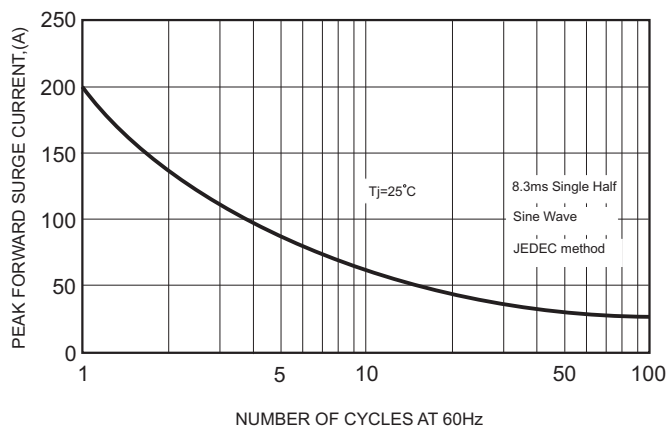


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

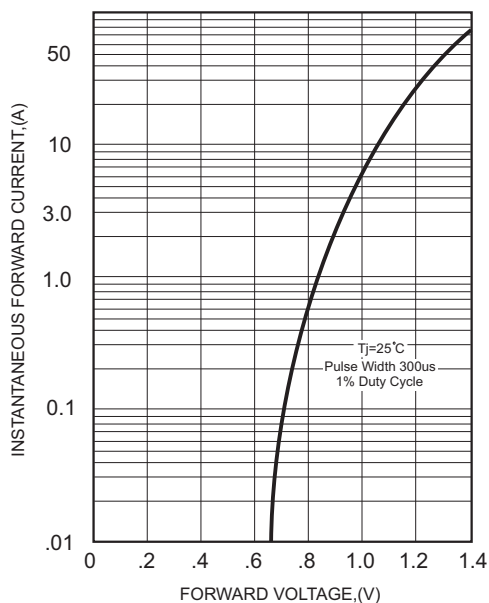
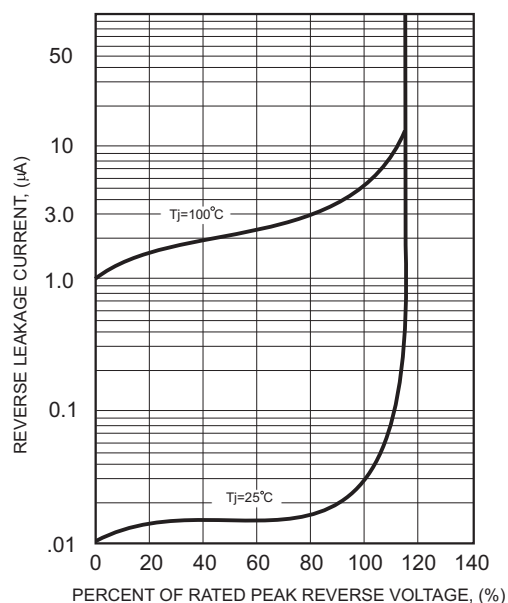
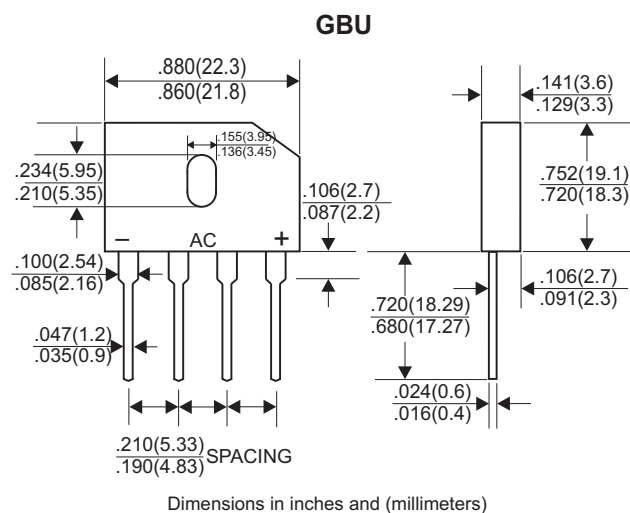


FIG.4-TYPICAL REVERSE
CHARACTERISTICS



PACKAGE MECHANICAL DATA



REELS SPECIFICATION

P/N	PKG	QTY
GBU10005-MS THRU GBU1010-MS	GBU	500

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