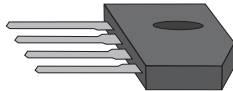


EGBU10A THRU EGBU10J

10 A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER



FEATURES

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

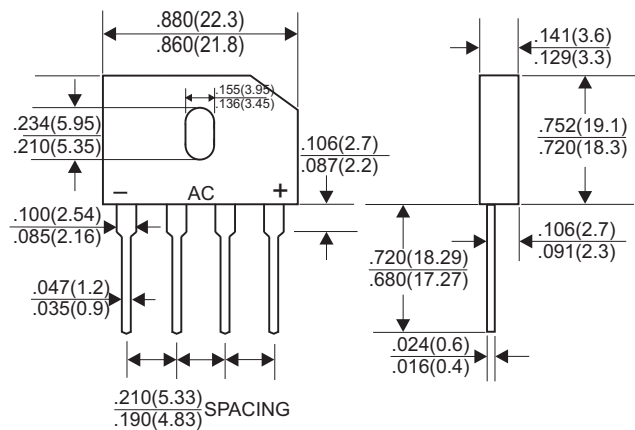
VOLTAGE RANGE

50 to 600 Volts

CURRENT

10 Amperes

GBU



Dimensions in inches and (millimeters)

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	EGBU10A	EGBU10B	EGBU10C	EGBU10D	EGBU10E	EGBU10G	EGBU10J	UNIT
Maximum Recurrent Peak Reverse Voltage	50	100	150	200	300	400	600	V
Maximum RMS Voltage	35	70	105	140	210	280	480	V
Maximum DC Blocking Voltage	50	100	150	200	300	400	600	V
Maximum Average Forward Rectified Current at Ta=25°C							10.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)							170	A
Maximum Forward Voltage Drop per Bridge Element at 5.0A.	1.0				1.3	1.7		V
Maximum DC Reverse Current at Rated DC Blocking Voltage				5.0				μA
				200				μA
Maximum Reverse Recovery Time (Note 1)				35				nS
Typical Junction Capacitance (Note 2)				25				pF
Operating and Storage Temperature Range T _J , T _{STG}				-65 — +150				°C

RATING AND CHARACTERISTIC CURVES (EGBU10A THRU EGBU10J)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

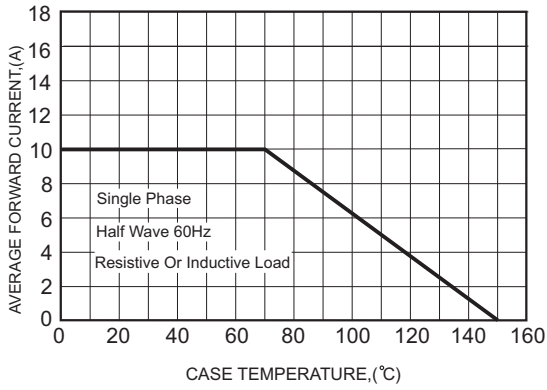


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

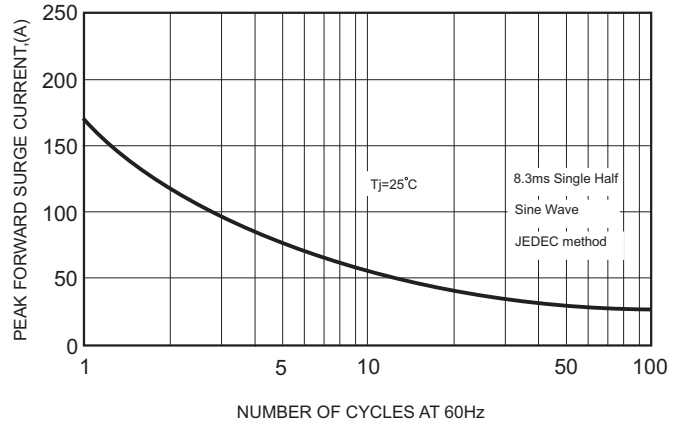


FIG.3-TYPICAL FORWARD CHARACTERISTICS

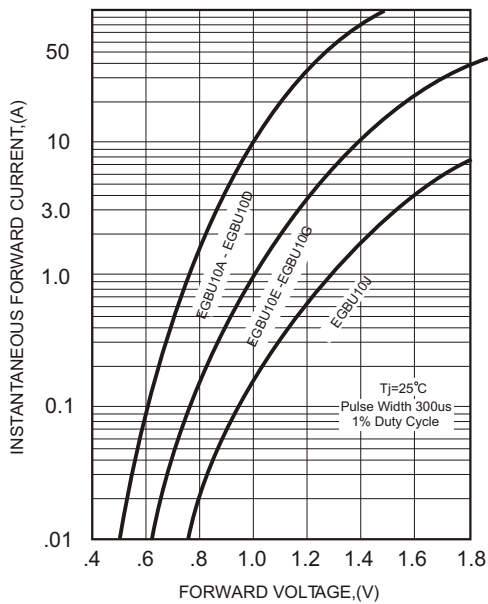


FIG.4-TYPICAL REVERSE CHARACTERISTICS

