DACO SEMICONDUCTOR CO., LTD.

KBP201G
THRU
KBP210G

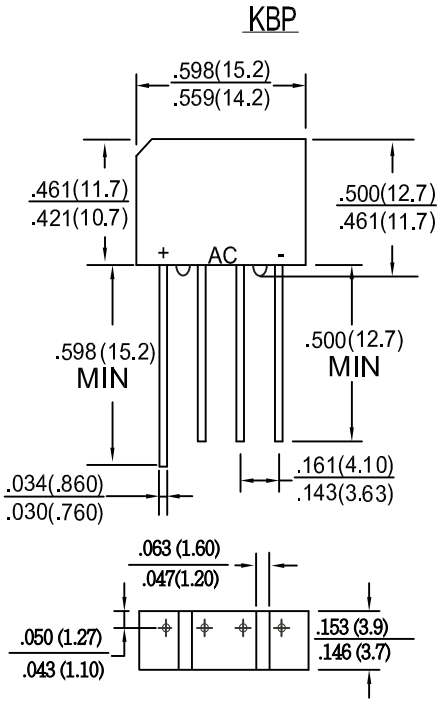
SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES:

- Ideal for printed circuit board mounting
- The plastic material carries Underwriters Laboratory flammability recognition 94V-0
- Built-in printed circuit board stand-offs
- High case dielectric strength
- High temperature soldering guaranteed 265℃/10 seconds

MECHANICAL DATA

Case :Reliable low cost construction utilizing
Terminals :Plated leads solderable per MIL-STD-202, Method 208
Mouncting Position: Any
Weight :0.065 ounce, 2.2grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temp. unless otherwise specified.
Single phase, half sine wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

Characteristic	Symbol	KBP 201G	KBP 202G	KBP 203G	KBP 204G	KBP 206G	KBP 208G	KBP 210G	Units
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at Ta=50℃	I_O	2.0							Amps
Peak forward surge current single sine-wave on rated load(JEDEC Method)	I_{FSM}	60							Amps
Maximum instantaneous forward voltage drop per leg at 2.0A	V_F	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage per leg Ta=25℃ / Ta=100℃	I_R	10 / 500							μA
Typical thermal resistance	R_{th-JL}	25							℃/W
Operating junction and storage temperature range	T_j, T_{stg}	-55 to 165							℃

RATINGS AND CHARCTERISTIC CURVES

FIG,1-MAXIMUM FORWARD CURRENT DERATING CURVE

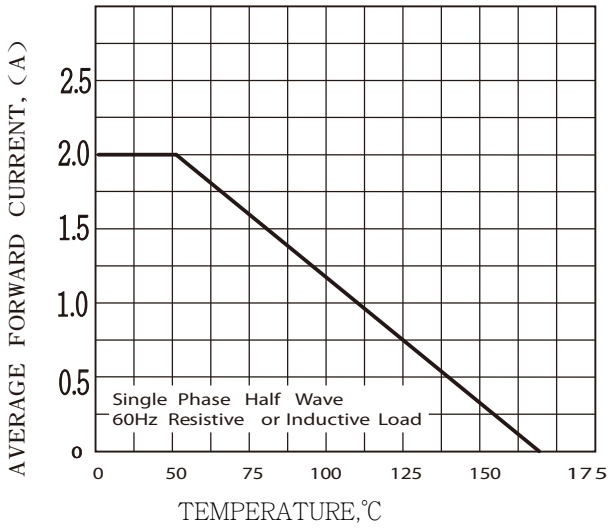
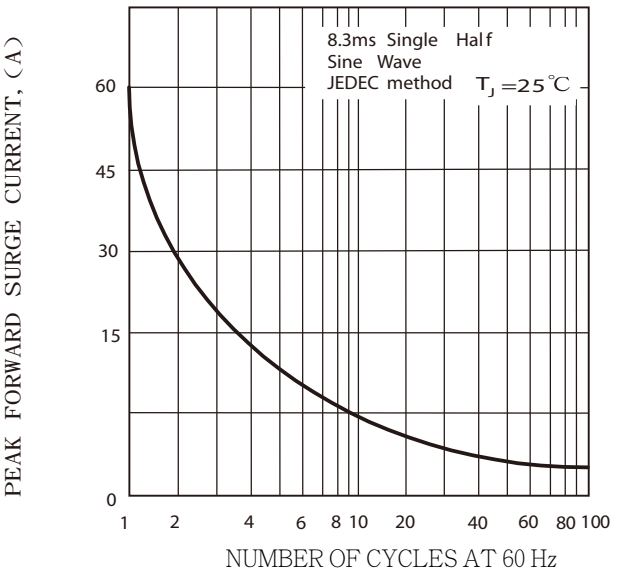
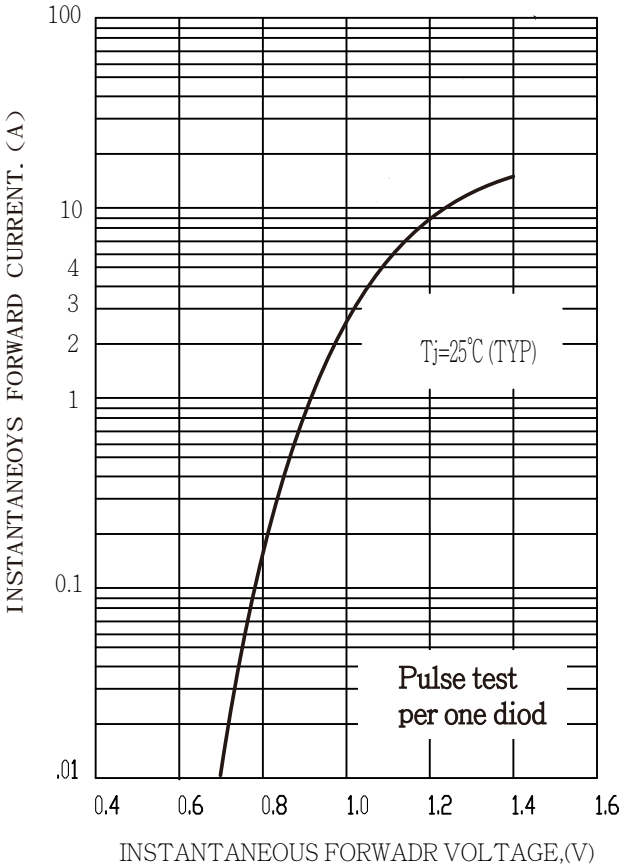


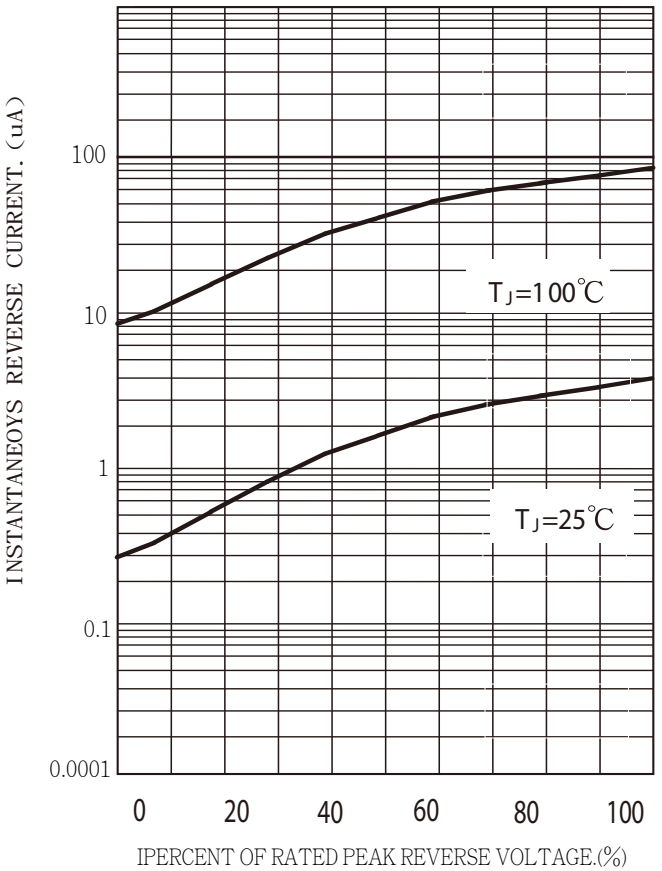
FIG.2-MAXIMVM NONO-RERETITIVE FORWARD SURGE CURRENT



FIG,3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE EMENT



FIG,4-TYPICAL REVERSE CHARACTERISTICS PER BRIPGE ELEMENT



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