CE

CHENYI ELECTRONICS

W005 THRU W10

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIER

Voltage: 50 TO 1000V CURRENT:1.0A

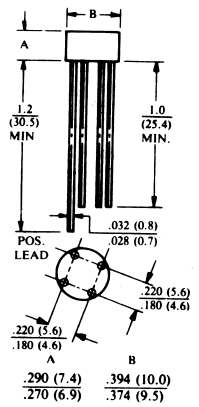
FEATURES

Ideal for printed circuit board

Surge overload rating: 50A peak

High case dielectric strength

WOB



Dimensions in inches and (millimeters)

MECHANICAL DATA

. **Terminal**: Plated leads solderable per MIL-STD 202E, method 208C

. **Case**: UL-94 Class V-0 recognized Flame Retardant Epoxy

. **Polarity**: Polarity symbol marked on body

. **Mounting position**: any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60HZ, resistive or inductive load rating at 25 ℃, unless otherwise stated, for capacitive load, derate current by 20%)

	SYMBOL	W005	W01	W02	W04	W06	W08	W10	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified current at Ta=50 ℃	If(av)	1							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	50							A
Maximum Instantaneous Forward Voltage at forward current 1.0A	Vf	1.0							V
Maximum DC Reverse Voltage Ta=25 ℃	Ir	10.0							μA
at rated DC blocking voltage Ta=100 ℃		1.0							mA
Operating Temperature Range	Tj	-55 to +125							℃
Storage and operation Junction Temperature	Tstg	-55 to +150							℃

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RATINGS AND CHARACTERISTIC CURVES W005 THRU W10

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

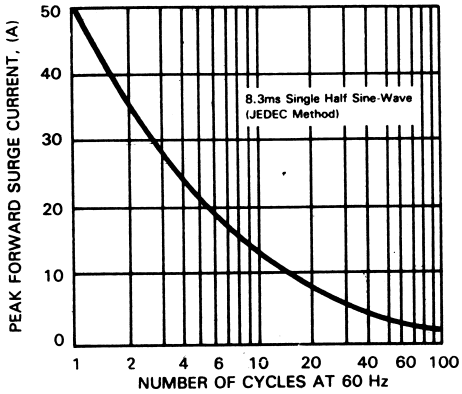


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

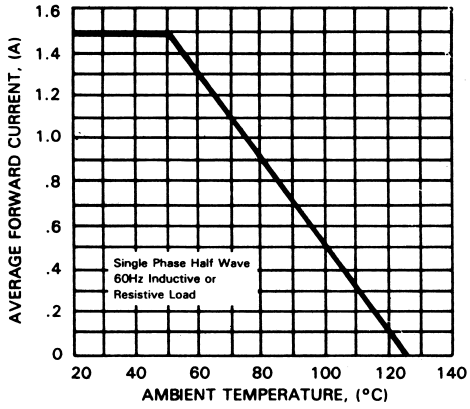


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

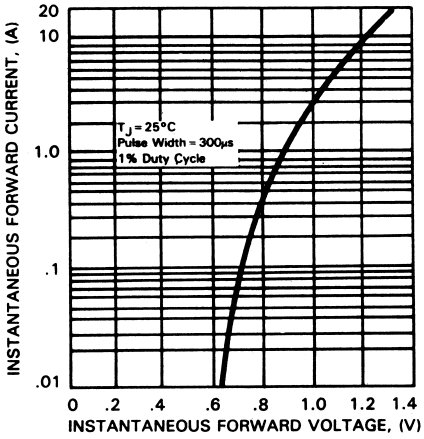
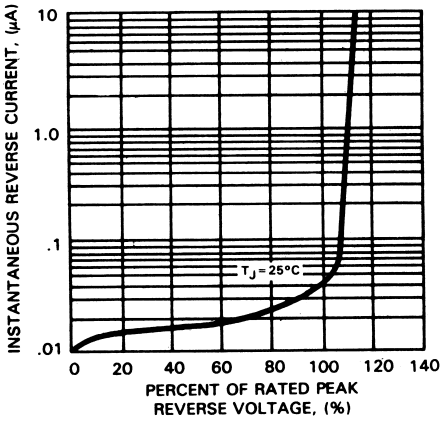


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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