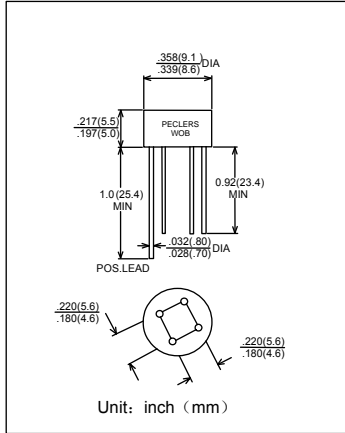


General Purpose Plastic Bridge Rectifier

Reverse Voltage 50 to 1000 V

Forward Current 1.5 A



Features

- Low reverse leakage
- Affordability: 50 A Surge overload rating: 50 Amperes peak
- High temperature soldering guaranteed:
 - . 260°C/10 秒, 0.375" (9.5mm)
 - . 260°C/10 seconds, 0.375" (9.5mm) lead length
- Bear :5 lbs. (2.3kg) tension
- Lead and body according with RoHS standard

Mechanical Data

- Case: Molded Plastic
- Polarity: As marked

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	Symbols	W005M	W01M	W02M	W04M	W06M	W08M	W10M	Unit
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	600	800	1000	V
Maximum average forward rectified current	$I_{F(AV)}$	1.5							A
Peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	50							A
Typical thermal resistance	$R_{\theta JA}$	36							°C/W
Operating junction temperature range	T_J	-55 --- +125							°C
Storage temperature range	TSTG	-55 --- +150							°C

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	Symbols	W005M	W01M	W02M	W04M	W06M	W08M	W10M	Unit
Maximum forward voltage $I_F = 1.5A$	V_F	1.0							V
Maximum reverse current $T_A = 25^\circ C$ $T_A = 125^\circ C$	I_R	10 500							μA
Type junction capacitance $V_R = 4.0V, f = 1MHz$	C_j	24							pF

Characteristic Curves

