



AKBPC602 Thru AKBPC608

6 AMP CONTROLLED AVALANCHE SILICON BRIDGE RECTIFIER

FEATURES

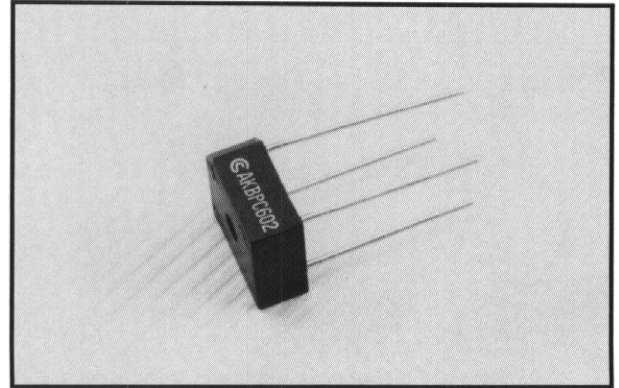
- Controlled avalanche series with 250V, 450V, 650V and 850V minimum avalanche ratings
- Surge overload rating to 125A peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique resulting in inexpensive product
- UL recognized: File #E106441

Mechanical Data

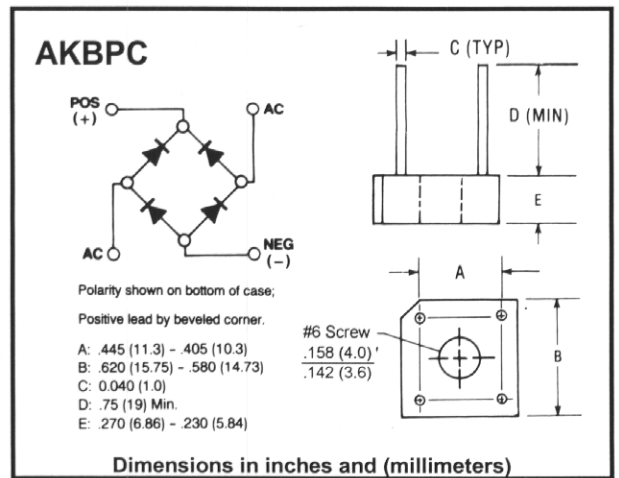
- Leads: Silver plated copper
- Leads solderable per MIL-STD-202, Method 208
- Mounting: Through hole for #6 screw
- Weight: 0.13 ounce, 3.8 grams

Maximum Ratings & Characteristics

- Ratings at 25° C ambient temperature unless otherwise specified
- 60Hz, resistive or inductive load
- For capacitive load, derate current by 20%



Outline Drawing



		AKBPC 602	AKBPC 604	AKBPC 606	AKBPC 608	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	400	600	800	V
Maximum RMS Input Voltage	V_{RMS}	140	280	420	560	V
Minimum Avalanche Breakdown Voltage at 100 μ A	$V_{(BR)}$	250	450	650	850	V
Maximum Avalanche Breakdown Voltage at 100 μ A	$V_{(BR)}$	700	900	1100	1300	V
Maximum Average Forward Output Current	$I_{(AV)}$	8.0 6.0				A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load (JEDEC Method)	I_{FSM}	125				A
Maximum Instantaneous Forward Voltage Drop per Element At 3.0A	V_F	1.2				V
Maximum Continuous Power Dissipation in the Avalanche Region		2.0				W
Maximum Peak Power Dissipation in the Avalanche Region for 20 μ S Pulse		400				W
Maximum Reverse Current At Rated DC Blocking Voltage per Bridge Element	I_R	10 1.0				μ A mA
Operating Temperature Range	T_J	-55 to +125				$^{\circ}$ C
Storage Temperature Range	T_{STG}	-55 to +150				$^{\circ}$ C

Note: * Unit mounted on metal chassis

** United mounted on P.C. board