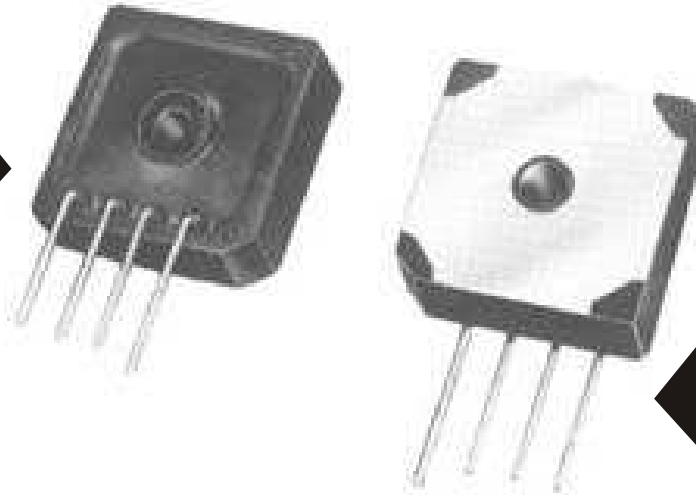




BRUS7

MINIBRIDGE[®] 50 ns. ULTRA-FAST RECOVERY Approximately 25 AMPERES* SINGLE-PHASE, FULL-WAVE BRIDGES

SPACE SAVING
IN-LINE DESIGN



INTEGRALLY MOLDED
HEAT SINKS
PROVIDE LOW
THERMAL RESISTANCE



This product has recognition under the component program of Underwriters Laboratories, inc.

PRV/LEG	50V	100V	200V	400V	500V	600V
TYPE NUMBER	BRUS705	BRUS710	BRUS720	BRUS740	BRUS750	BRUS760

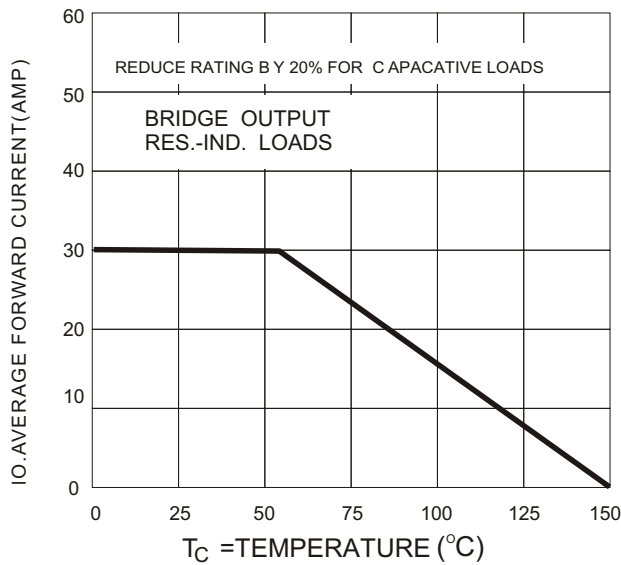
ELECTRICAL CHARACTERISTICS PER LEG (at T _A =25 °C Unless Otherwise Specified)	BRUS7	UNITS
Average Output Current, I _o @ 60°C T _c	25	Amps
Max.Forward Voltage Drop, V _F @ I _F =12A pk	1.5	Volts
Max.DC Reverse Current @ PRV and 25 °C, I _R	10	μA
Max.DC Reverse Current @ PRV and 100°C, I _R	200	μA
Max.Reverse Recovery Time, T _{rr} (Fig.3)	50	Nanosec.
Max.Peak Surge Current, I _{FSM} (8.3ms)	320	Amps
Thermal Resistance (Total Bridge), R _{θ j-c}	1.5 typ.	°C/W
Storage Temperature Range, T _{STG}	-55 to+150	°C
Ambient Operating Temperature Range, T _A	-55 to+150	°C

Note 1: Derate I_o by 20% for capacitive loads

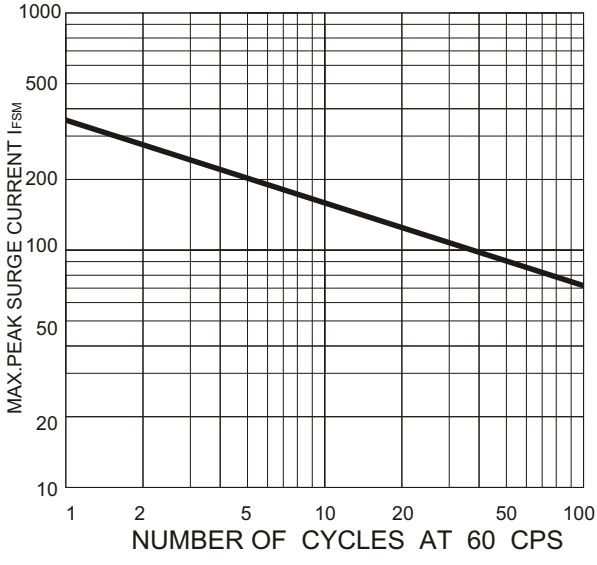
NOTE: Maximum lead and terminal temperature for soldering, 3/8 inch from case, 5 seconds at 250 °C.
EDI reserves the right to change these specifications at anytime without notice.

BRUS7

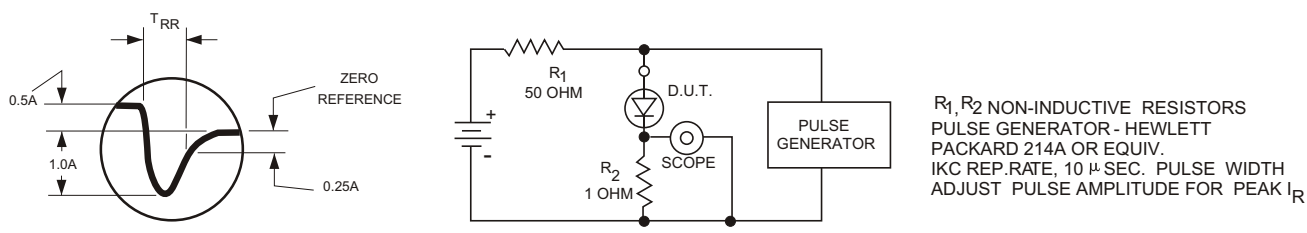
**FIG.1
CURRENT DERATING**



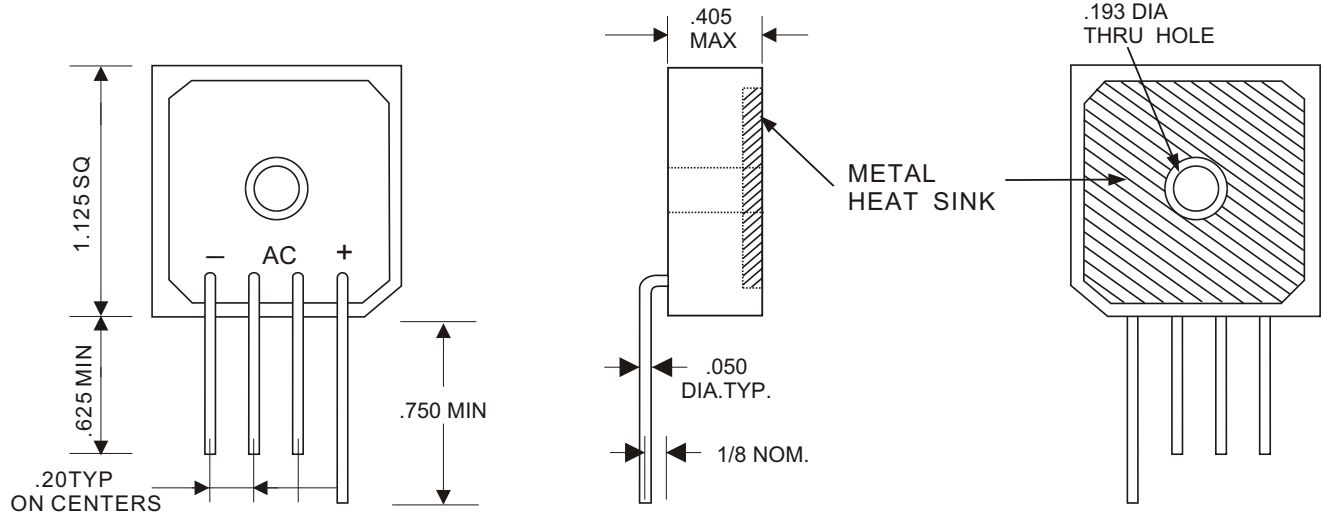
**FIG.2
NON-REPETITIVE SURGE CURRENT**



**FIG.3
REVERSE RECOVERY TEST METHOD**



BRUS7 MECHANICAL OUTLINE
 Dielectric test voltage 2500 volts rms, max. 50-60Hz.



1. Corrosion resistant terminals designed for .250 female quick connector, wrap around or solder.
2. A thin film of silicone thermal compound is recommended between the Minibridge® case and mounting surface for improved thermal conduction.
3. Higher dielectric strengths available. Consult factory.