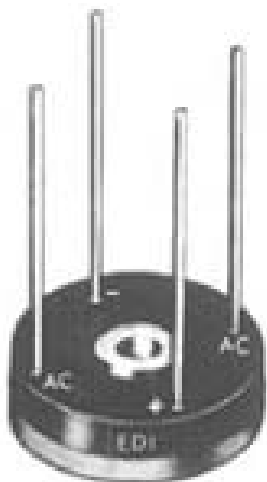




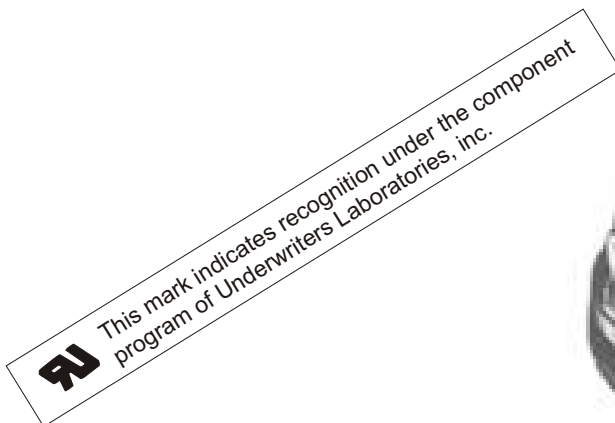
BRUS2 BRUS2F

MINIBRIDGE®

50 ns. ULTRA-FAST RECOVERY
SINGLE-PHASE, FULL-WAVE BRIDGES
HEAT SINK • CHASSIS • P.C. BOARD MOUNTING



BRUS2
9 Amps. Wire Leads



BRUS 2F
10.5 Amps. Quick-connects

PRV/Leg	50V	100V	200V	400V	600V
9.0 AMP SERIES	BRUS205	BRUS210	BRUS220	BRUS240	BRUS260
10.5AMP SERIES	BRUS205F	BRUS210F	BRUS220F	BRUS240F	BRUS260F

ELECTRICAL CHARACTERISTICS PER LEG (at $T_A=25^\circ\text{C}$ Unless Otherwise Specified)	BRUS2	BRUS2F	UNITS
Average Output Current I_F (Av.) $T_c 60^\circ\text{C}$ (Fig.1)	9.0	10.5	Amps
Max. Forward Voltage Drop, $V_F@I_F=2.0$	1.3	1.3	Volts
Max.DC Reverse Current @ PRV and 25°C , I_R	10	10	μA
Max.DC Reverse Current @ PRV and 100°C , I_R	200	200	μA
Max. Reverse Recovery Time, T_{rr} (Fig.4)	50	50	Nanosec.
Max. Peak Surge Current, I_{FSM} (8.3ms)	125	125	Amps
Storage Temperature Range, T_{STG}	-55 to +150		$^\circ\text{C}$
Thermal Resistance (Total Bridge), $R\theta_{j-c}$	5.5 typ.	4.5 typ.	$^\circ\text{C/W}$

EDI reserves the right to change these specifications at any time without notice.

FIG.1

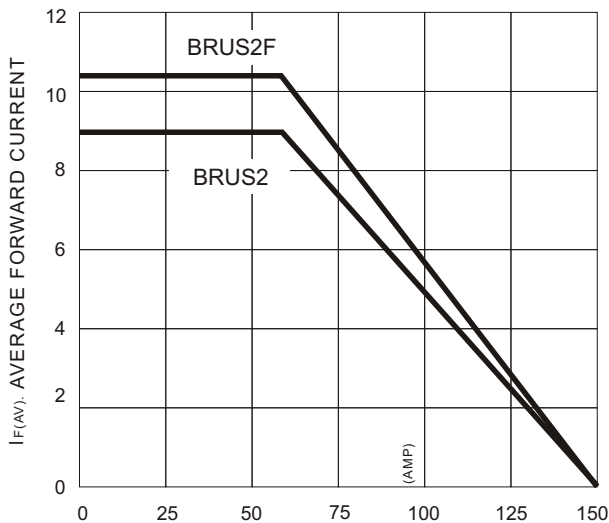


FIG.2

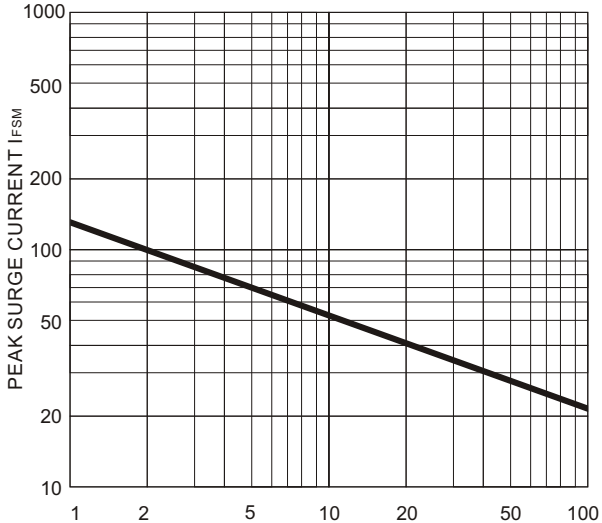
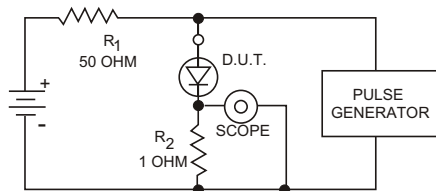
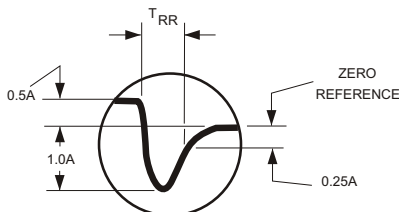


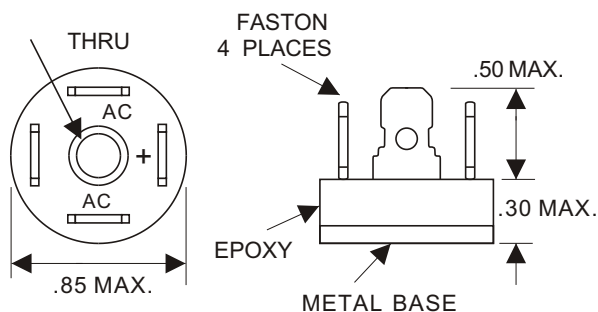
FIG.3
TEST CIRCUIT



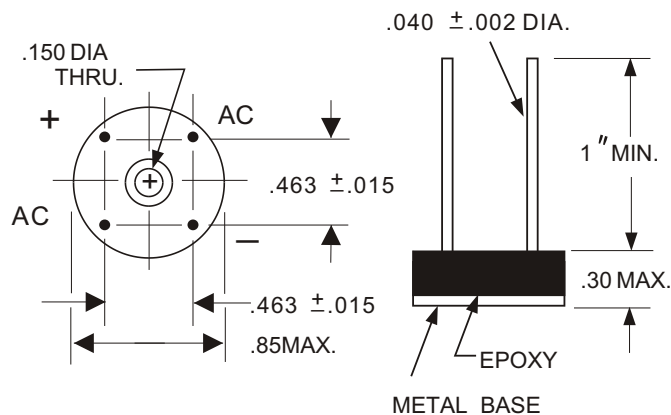
R₁, R₂ NON-INDUCTIVE RESISTORS
PULSE GENERATOR - HEWLETT
PACKARD 214A OR EQUIV.
IKC REP. RATE, 10μ. SEC. PULSE WIDTH
ADJUST PULSE AMPLITUDE FOR PEAK I_R

BRUS2-F SERIES MECH. OUTLINE

Dielectric test voltage 1500 volts rms, max. 50-60Hz



BRUS2 SERIES MECH.OUTLINE



NOTE: A thin film of silicone thermal compound is recommended between the Minibridge[®] case and mounting surface for improved thermal conduction.

ELECTRONIC DEVICES, INC. DESIGNERS AND MANUFACTURERS OF SOLID STATE DEVICES SINCE 1951.

21 GRAY OAKS AVENUE * YONKERS, NEW YORK 10710 914-965-4400 * FAX 914-965-5531 * 1-800-678-0828

e-mail: sales@edidiodes.com * website: <http://www.edidiodes.com>