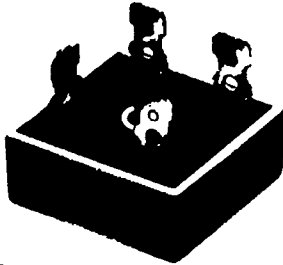




**International
Semiconductor, Inc.**

T-23-07

HIGH CURRENT SILICON BRIDGE RECTIFIERS 10SB thru 35SB

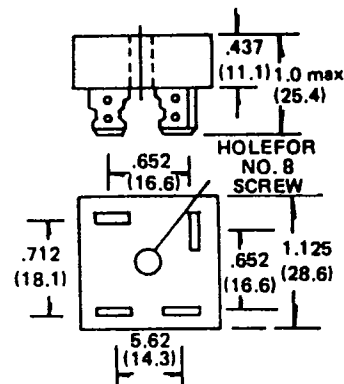


FEATURES

- Electrically Isolated Metal Case for Maximum Heat Dissipation.
- Surge Overload Ratings to 400 Amperes.
- For Extra Creepage Distance Additional Plastic Cover Available.
- These bridges are on the U/L Recognized Products List for currents of 10, 25 and 35 amperes.

MECHANICAL DATA

Case: Metal, electrically isolated.
Terminals: Plated .25" FASTON
Weight: 1 ounce, 30 grams.
Mounting position: Any.



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Inductive or resistive Load at 60 Hz. For capacitive load derate current by 20%.
All ratings are for $T_C = 25^\circ\text{C}$ unless otherwise specified.

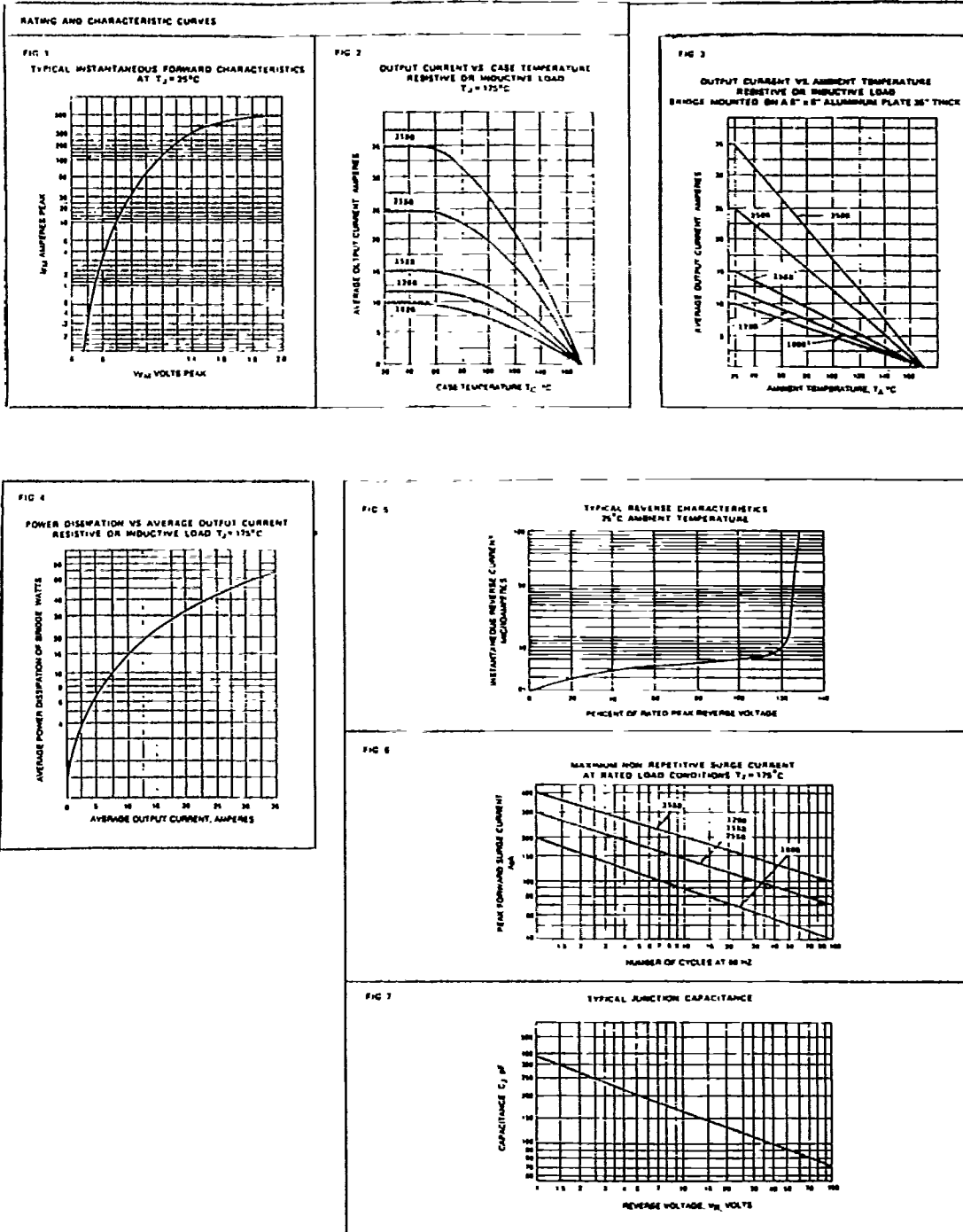
	050	100	200	400	600	800	1000	Units
Max Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Max RMS Input Voltage	35	70	140	280	420	560	700	V
Max DC Blocking Voltage	50	100	200	400	600	800	1000	V
DC Output Voltage, Resistive Load	30	62	124	250	380	505	620	V
DC Output Voltage, Capacitive Load	50	100	200	400	600	800	1000	V
Max Average Forward Current for Resistive Load at $T_C = 55^\circ\text{C}$	10SB 12SB 15SB 25SB 35SB			10 12 15 25 35				A
Non-repetitive Peak Forward Surge Current at Rated Load	10SB 12SB 15SB 25SB 35SB			200 300 300 300 400				A
Max Forward Voltage per Bridge Element at Specified Current	10SB 12SB 15SB 25SB 35SB	5A 7.5A 8.0A 12.5A 17.5A		1.2				V
Max Reverse Leakage Current at Rated DC Blocking Voltage				10				μA
Operating Temperature Range T_J Storage Temperature Range T_A				-65 to +175				$^\circ\text{C}$

Corporate Offices:
727 Raritan Road, Suite 203
Clark, NJ 07066
Phone (908) 396-0322 FAX (908) 396-0410

Sales Office:
574 E. Alamo, #40
Chandler, AZ 85225
Phone (602) 497-8172 FAX (602) 497-8173



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