

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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VARO SEMICONDUCTOR, INC., P.O. BOX 40676
1000 NORTH SHILOH, GARLAND, TEXAS 75040
(214) 271-8511 TWX 910-860-5178

DLS 041

High Voltage Full Wave Bridge Rectifiers

January 1981

2kV, 4kV, 6kV, 8kV, and 10kV V_{RRM} Ratings

.5 Amp to 1.5 Amp DC Forward Current

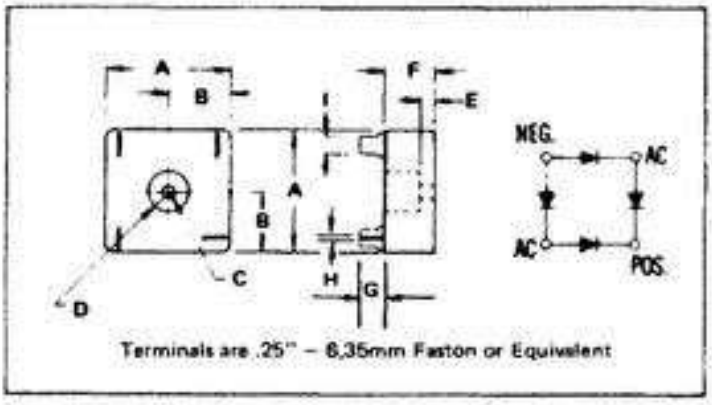
20 Amp Peak One Half Cycle Surge Current

H443



ELECTRICAL CHARACTERISTICS AT T_A = 25°C (Unless Otherwise Specified)	SYMBOL	H439	H440	H441	H442	H443	UNITS
Repetitive Peak Reverse Voltage	V_{RRM}	2	4	6	8	10	kV
RMS Reverse Voltage	$V_{R(RMS)}$	1.4	2.3	4.2	5.6	7.0	kV
Average Forward Current at T_A = 50 C (Fig. 1)	I_O	1.5	.65	.65	.50	.50	Amps
Peak Surge Current, ½ Cycle at 60 Hz (Non-Rep)	I_{FSM}	20					Amps
Storage Temperature Range	T_{STG}	−30 to +150					°C
Ambient Operating Temperature Range	T_A	−30 to +100					°C

MAXIMUM RATINGS AT T_A = 25°C (Unless Otherwise Specified)	SYMBOL	H439	H440	H441	H442	H443	UNITS
Maximum Instantaneous Forward Voltage Drop (Per Diode)	V_{FM}	3.0	9.0	9.0	15.0	15.0	V
Maximum Reverse Current at Rated V_{RRM}	I_{RM}	1					µA



Terminals are .25" – 6.35mm Faston or Equivalent

LTR	INCHES	MILLIMETERS
A	1.85	46.99
B	.925	23.50
C	.187 Dia.	4.75 Dia.
D	.625 Dia.	15.88 Dia.
E	.189	4.80
F	.75	19.05
G	.35	8.89
H	.032	.813
I	.250	6.35

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

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We're here to make your life easier. How can we help you today?

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