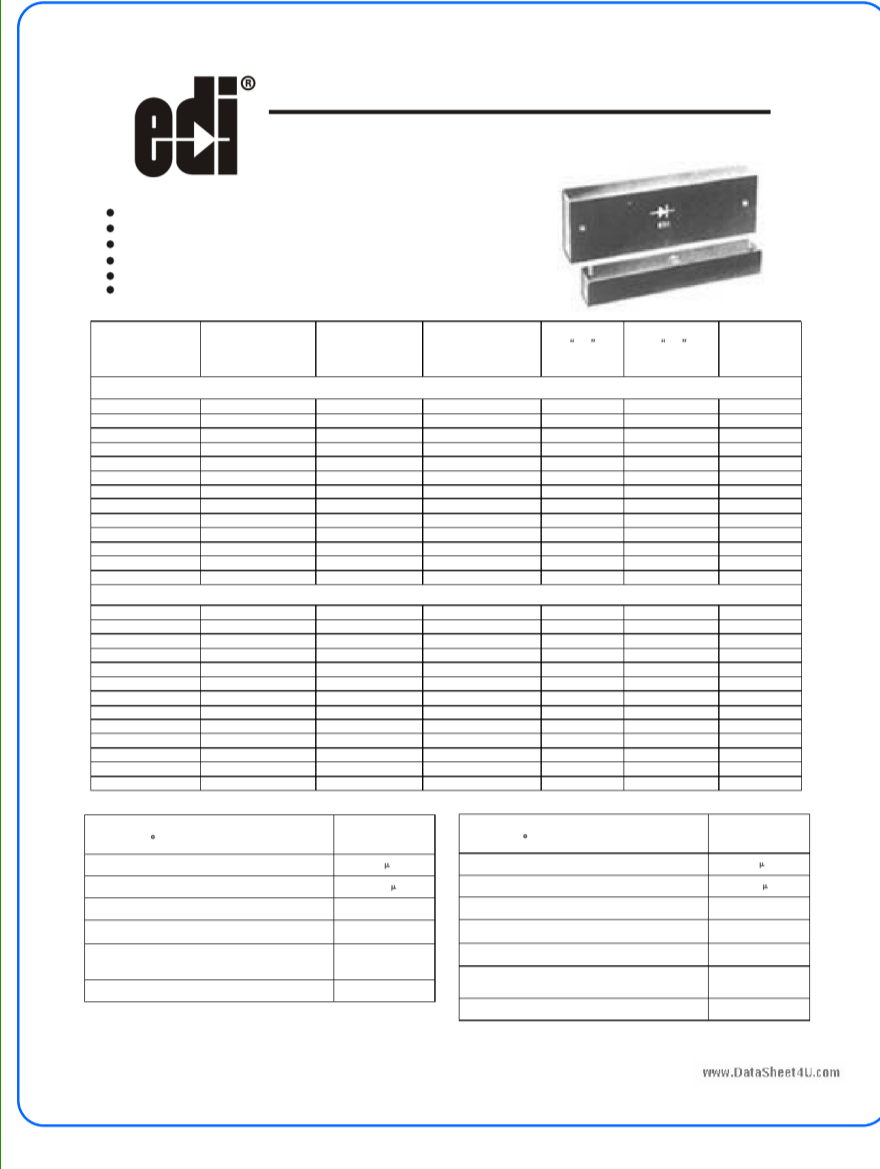


ASSEMBLIES. RHP35 Datasheet

RHP35 Datasheet PDF

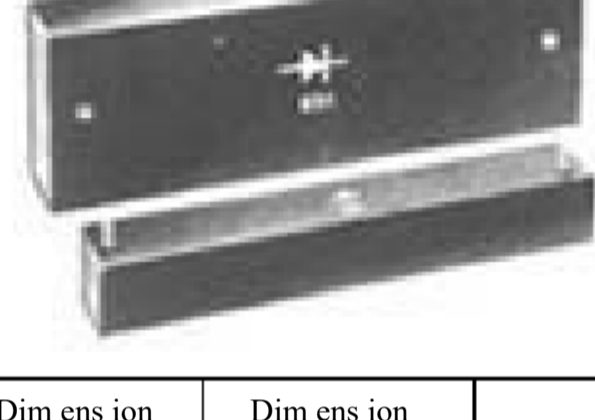


Part	RHP35
Description	KILOVOLT HIGH CURRENT RECTIFIER ASSEMBLIES
Feature	KILOVOLT HIGH CURRENT RECTIFIER ASSEMBLIES KHP RHP MATCHED SILICON RECTIFIER ELEMENTS RATED CURRE.
Manufacture	EDI
Datasheet	Download RHP35 Datasheet

	KILOVOLT HIGH CURRENT RECTIFIER ASSEMBLIES KHP RHP MATCHE	RHP35 Datasheet
--	---	---------------------------------



KHP RHP
KILOVOLT HIGH CURRENT
RECTIFIER ASSEMBLIES



- MATCHED SILICON RECTIFIER ELEMENTS
- RATED CURRENT TO 3.0 AMPERES
- PRV 5,000 TO 50,000 VOLTS
- FAST RECOVERY (RHP SERIES)
- ALL APPLICABLE MIL-STD-750 TESTS
- HIGH THERMAL CONDUCTIVITY ENCAPSULATION

www.DataSheet4U.com

EDI Type No.	Peak Reverse Voltage PRV (Volts)	Avg. Fwd. Current Max. I_o at 25 °C (Am ps)	Fwd Voltage Drop at 25 °C and 3 Amps V_f (Volts)	Dim ens ion * L Inches Fig.3	Dim ens ion * W Inches Fig.3	Case Style Fig.3
STANDARD RECOVERY						
KHP5	5,000	3.00	4.00		1.0	A
KHP6	6,000	2.75	4.75		1.0	A
KHP7	7,000	2.75	5.50		1.0	A
KHP8	8,000	2.75	6.00		1.0	A
KHP9	9,000	2.50	6.50		1.0	A
KHP10	10,000	2.50	7.00		1.0	A
KHP15	15,000	2.50	4.00		2.0	B
KHP20	20,000	2.25	6.00		2.0	B
KHP25	25,000	2.25	8.00		2.0	B
KHP30	30,000	2.25	4.00		3.0	B
KHP35	35,000	2.25	6.00		3.0	B
KHP40	40,000	2.25	8.00		3.0	B
KHP50	50,000	2.25	6.00		4.0	B
200 NANOSECOND RECOVERY (FIG.4)						
RHP5	5,000	2.50	4.00		1.0	A
RHP6	6,000	2.50	4.75		1.0	A
RHP7	7,000	2.50	5.50		1.0	A
RHP8	8,000	2.50	6.00		1.0	A
RHP9	9,000	2.50	6.50		1.0	A
RHP10	10,000	2.50	7.00		1.0	A
RHP15	15,000	2.25	4.00		2.0	B
RHP20	20,000	2.25	6.00		2.0	B
RHP25	25,000	2.25	8.00		2.0	B
RHP30	30,000	2.25	4.00		3.0	B
RHP35	35,000	2.25	6.00		3.0	B
RHP40	40,000	2.25	8.00		3.0	B
RHP50	50,000	2.25	6.00		4.0	B

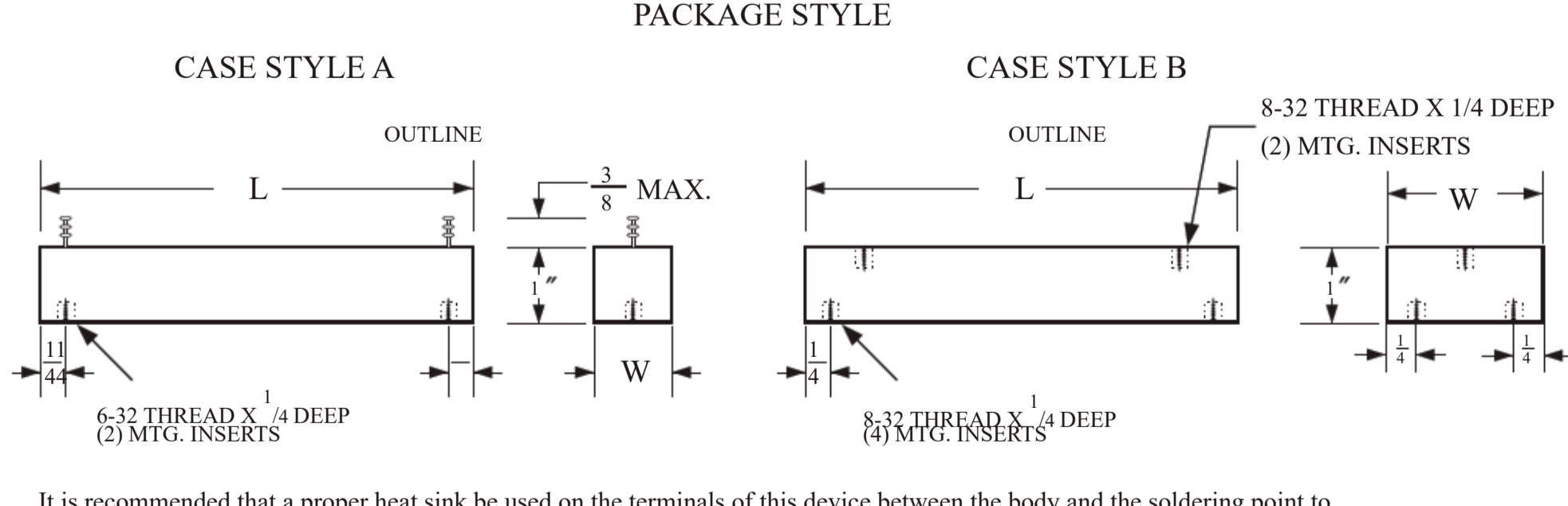
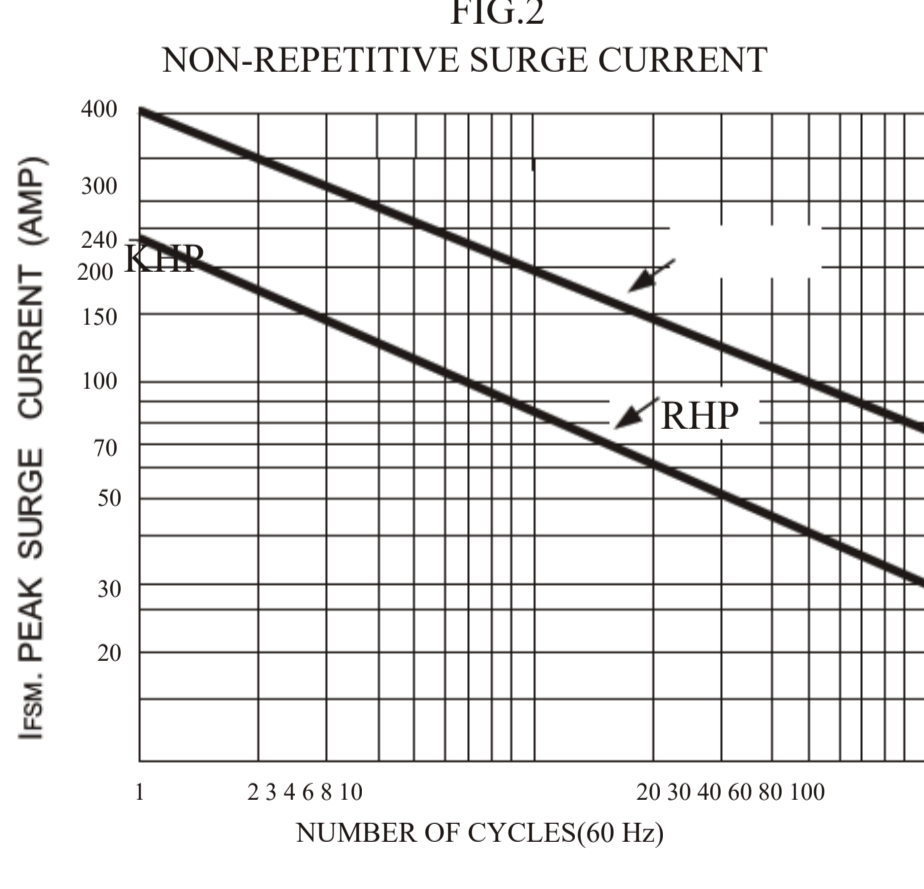
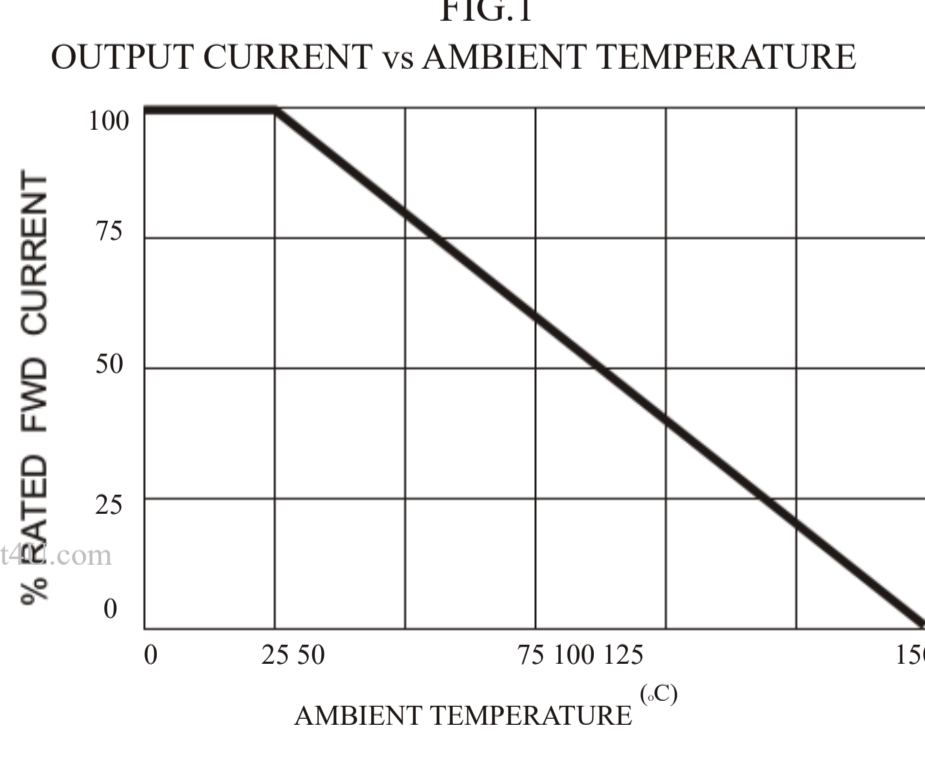
ELECTRICAL CHARACTERISTICS (at $T_A=25^{\circ}C$ Unless Otherwise Specified)	KHP SERIES STANDARD RECOVERY
Max. DC Reverse Current @ PRV and 25 °C, I_{R}	5 μA
Max. DC Reverse Current @ PRV and 100 °C, I_{R}	100 μA
Ambient Operating Temperature Range, T_A	-55 °C to +150 °C
Storage Temperature Range, T_{STG}	-55 °C to +150 °C
Max. One-Half Cycle Surge Current, (Surge) @ 60Hz, I_{FM}	400 Amps
Forward Current Repetitive Peak, I_{FRM}	40 Amps

ELECTRICAL CHARACTERISTICS (at $T_A=25^{\circ}C$ Unless Otherwise Specified)	RHP SERIES FAST RECOVERY
Max. DC Reverse Current @ PRV and 25 °C, I_{R}	5 μA
Max. DC Reverse Current @ PRV and 100 °C, I_{R}	250 μA
Max. Reverse Recovery Time, T_{rr} (Fig.4)	200 nanosec
Ambient Operating Temperature Range, T_A	-55 °C to +150 °C
Storage Temperature Range, T_{STG}	-55 °C to +150 °C
Max. One-Half Cycle Surge Current, I_{FM} (Surge) @ 60Hz	240 Amps
Forward Current Repetitive Peak, I_{FRM}	25 Amps

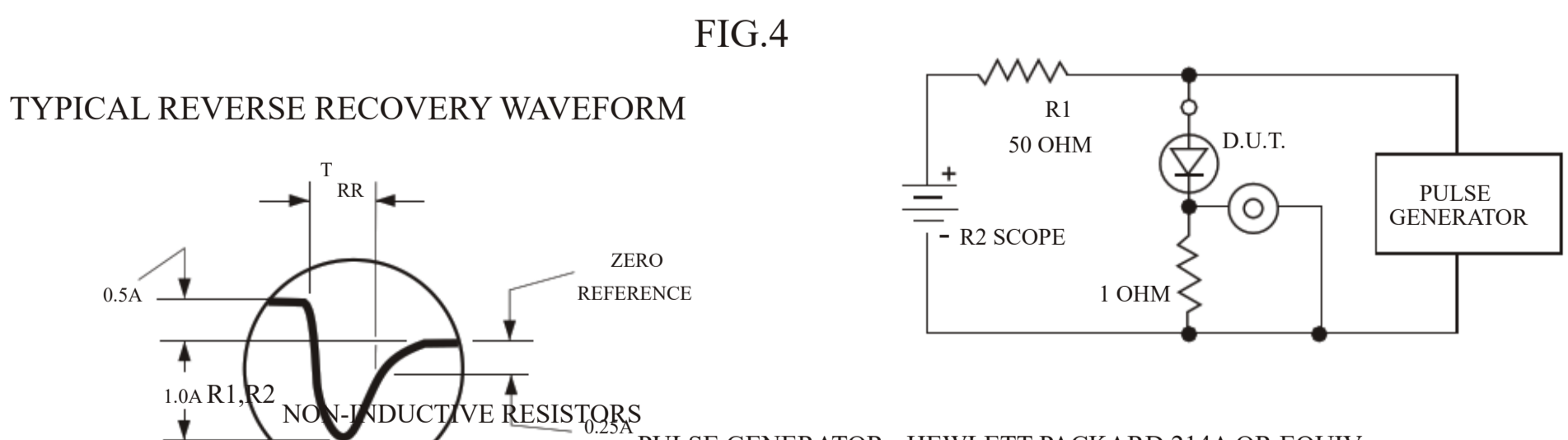
EDI reserves the right to change these specifications at any time without notice.

www.DataSheet4U.com

KHP RHP



It is recommended that a proper heat sink be used on the terminals of this device between the body and the soldering point to prevent damage form excess heat.



Prior to the manufacture of these assemblies, the individual silicon junction is measured for maximum recovery time in the test circuit shown.

ELECTRONIC 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
* website: http:// www.edidiodes.com

www.DataSheet4U.com