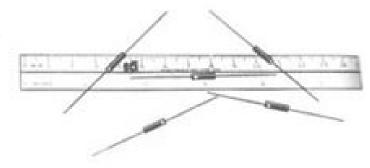




FAST RECOVERY HIGH VOLTAGE 25mA MINIATURE SILICON RECTIFIERS

- SMALL SIZE MOLDED PACKAGE
- PRV 3,000 TO 15,000 VOLTS
- 1.0 INCH MIN. LEADS
- LOW LEAKAGE



EDI Type	PRV Volts
DL300	3,000
DL500	5,000
DL800	8,000
DL1000	10,000
DL1200	12,000
DL1500	15,000

ELECTRICAL CHARACTERISTICS (at T_A = 25 °C Unless Otherwise Specified)

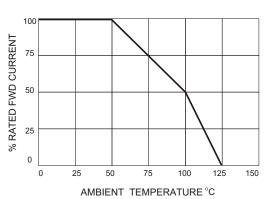
Average Rectified Forward Current @ 50°C, Io	25 mA
Max. Peak Surge Current, I _{FSM} (8.3ms)	3 Amp
Max. Reverse Recovery T _{rr} (Fig.4)	150nanosec
Max.Forward Voltage Drop@25mA, V _F	26Volts
Max. DC Reverse Current @ PRV and 25°C, I _R	1 μΑ
Max. DC Reverse Current @ PRV and 100°C, I _R	25 μΑ
Ambient Operating Temperature Range, T _A	-55°C to +125 °C
Storage Temperature Range, T _{STG}	-55°C to +150 °C

NOTES:

- 1.It is recommended that a proper heat sink be used on the terminals of this device between the body and soldering point to prevent damage from excess heat.
- 2.If operated over 10,000v/inch in length, devices should be immersed in oil or ree ncapsulated.

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

FIG.1
OUTPUT CURRENT vs AMBIENT TEMPERATURE



NON- REPETITIVE SURGE CURRENT

0.1SEC

1.0SEC

FIG.2

FIG.3 MECHANICAL

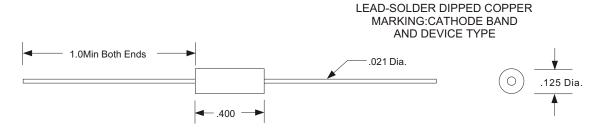
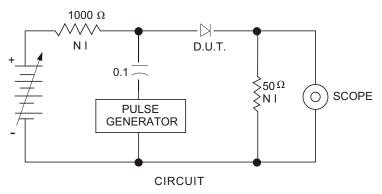


FIG.4
REVERSE RECOVERY TEST METHOD

RECOVERY WAVE FORM

T_{rr} I_{R=5MA} WAVE FORMS

RECOVERY WA VE FORM



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