

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RECTIFIERSHigh Efficiency, 1A

FEATURES

- Very Fast Recovery Times
- Very Low Forward Voltage
- Small Size
- Convenient Package

DESCRIPTION

An axial leaded power rectifier useful in many switching applications. Particularly suited where very fast recovery and low forward voltage are required.

ABSOLUTE MAXIMUM RATINGS

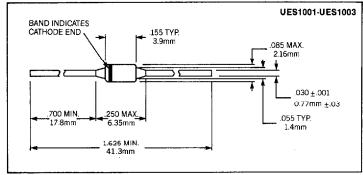
Peak Inverse Voltage, UES1001	50V
Peak Inverse Voltage, UES1002	100V
Peak Inverse Voltage, UES1003	150V
Maximum Average D.C. Output Current at T _L = 75 °C, L = 3/8"	1A
Non-Repetitive Surge Current at 8.3mS	30A
Thermal Resistance at L = 3/8"	75°C/W
Operating and Storage Temperature Range	55°C + 175°C

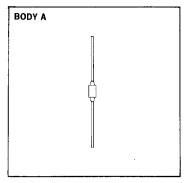
ELECTRICAL SPECIFICATIONS

Type PIV	PIV	Maximum Forward Voltage (V _F) @		Maximum Reverse Current (I _R) @ PIV		Maximum Reverse Recovery
		T _J = 25°C	T _J = 100°C	@ T _J =25°C	@ T _J = 100°C	Time*
UES1001 UES1002 UES1003	50V 100V 150V	.975V @ 1A	.895V @ 1A	2μΑ	50µA	25nS

^{*}Measured in circuit $I_F = .5A$, $I_R = 1.0A$, $I_{REC} = .25A$

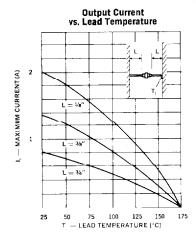
MECHANICAL SPECIFICATIONS

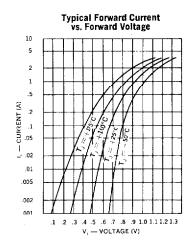


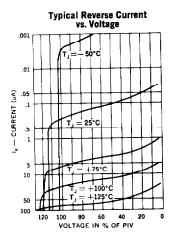


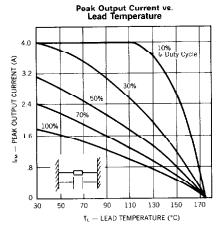
THESE DEVICES ALSO AVAILABLE IN SURFACE MOUNT PACKAGE. SEE SECTION 10

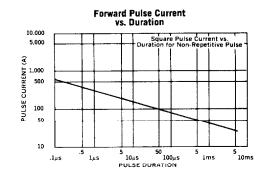


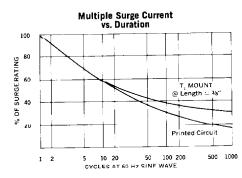


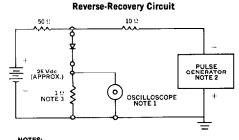












NOTES:

1. Oscilloscope: Rise time<3nS; input impedance = 50Ω.

2. Pulse Generator: Rise time<3nS; source impedance 10Ω.

3. Current viewing resistor, non-inductive, coaxial recommended.