

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







RECTIFIERS

High Efficiency, 2.5A

FEATURES

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

UES1101 BYV27-50 UES1102 BYV27-100 UES1103 BYV27-150

DESCRIPTION

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

ABSOLUTE MAXIMUM RATINGS

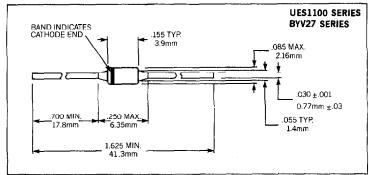
	UES1101	UE\$1102	UE\$1103	BYV27-50	BYV27-100	BYV27-150
Peak Inverse Voltage, V _R	50V	100V	150V	50V	100V	150V
Maximum Average D.C. Output at $T_L = 75$ °C, $L = \frac{3}{6}$ ", I_0 .		2.5A			, 2.0A	
Non-Repetitive Surge Current at 8.3ms, I _{FSM}		35A			50A	
Inermal Resistance at L = 3/8", Redc						
Junction Operating Temperature, T						
Operating and Storage Temperature Range						

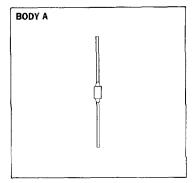
ELECTRICAL SPECIFICATIONS

Rever	Maximum Reverse Voltage	Forward	mum i Voltage @	Maximum Reverse Current @ Rated V _R		Maximum Reverse Recovery
	V _R	T _J = 25°C	T. = 100°C	T. = 25° C	T _J = 100°C	Time*
UES1101 UES1102 UES1103	50V 100V 150V	.975V @ 2A	.895V @ 2A	2μΑ	50μA	25nS
		T _J = 25°C	T _J = 165°C	T _J = 25°C	T _J = 165°C	
BYV27-50 BYV27-100 BYV27-150	50V 100V 150V	1.25V @ 5A	.85V @ 2.5A	1μΑ	150μΑ	25n\$

^{*}Measured in circuit $I_F = \frac{1}{2}A$, $I_R = 1.0A$, $I_{REC} = \frac{1}{4}A$

MECHANICAL SPECIFICATIONS



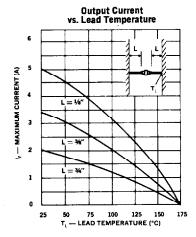


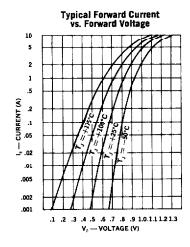
THESE DEVICES ALSO AVAILABLE IN SURFACE MOUNT PACKAGE. SEE SECTION 10

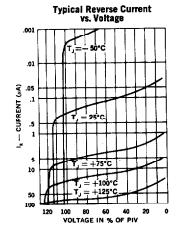


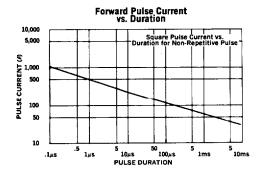
4/82

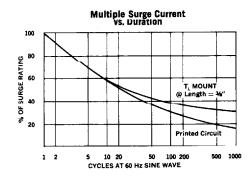
2-63

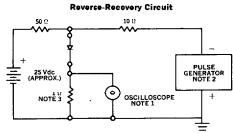












- 1. Oscilloscope: Rise time \leq 3nS; input impedance = 50Ω .

 2. Pulse Generator: Rise time \leq 8nS; source impedance 10Ω .

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