

RECTIFIERS

High Efficiency, 12A & 20A DO-4



ELECTRICAL SPECIFICATIONS

Type	PIV	Maximum Forward Voltage		Maximum Reverse Current		Maximum Reverse Recovery Time*
		Tc = 25° C	Tc = 125° C	Tc = 25° C	Tc = 125° C	
UES704	200V	1.25V	1.15V	50uA	10mA	50nS
UES705	300V	@ 20A	@ 20A			
UES706	400V	tp = 300uS	tp = 300uS			
1N3893	400V	1.4V @ 12A			3mA @ 100° C	200nS

* Measured in circuit IF = 0.5A, IR = 1A, IREC = 0.25A

High Efficiency, 70A DO-5



ELECTRICAL SPECIFICATIONS

Type	PIV	Maximum Forward Voltage @		Maximum Reverse Current @		Maximum Reverse Recovery Time*
		Tc = 25° C	Tc = 150° C	Tc = 25° C	Tc = 150° C	
UES801	50V	9.75V	840V	25uA	30mA	50nS
UES802	100V	@ 70A	@ 70A			
UES803	150V	tp = 300uS	tp = 300uS			

Note: Add 0.03 Volts to Max Forward Voltage for Flexible Top Lead Option. * Measured in circuit IF = 0.5A, IR = 1 A, IREC = 0.25A

High Efficiency, 30A & 50A DO-5

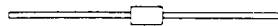


ELECTRICAL SPECIFICATIONS

Type	PIV	Maximum Forward Voltage		Maximum Reverse Current		Maximum Reverse Recovery Time*
		Tc = 25° C	Tc = 125° C	Tc = 25° C	Tc = 125° C	
UES804	200V	1.25V	1.15V	70uA	30mA	50nS
UES805	300V	@ 1F = 50A	@ IF = 50A			
UES806	400V	tp = 300uS	tp = 300uS			
1N3913	400V	1.4V @ 30A			10mA @ 100° C	200nS

* Measured in circuit IF = 0.5A, IR = 1 A, IREC = 0.25A

High Efficiency, 1 A Axial Bead



ELECTRICAL SPECIFICATIONS

Type	PIV	Maximum Forward Voltage (VF) @		Maximum Reverse Current (IR) @ PIV		Maximum Reverse Recovery Time*
		Tj = 25° C	Tj = 100° C	@Tj = 25° C	@Tj = 100° C	
UES1001	50V	.975V	.895V	2uA	50uA	25nS
UES1002	100V	@	@			
UES1003	150V	1A	1A			

*Measured in circuit IF = 0.5A, IR = 1 A, IREC = 0.25A

Full Data Sheets on above types is available upon request