

RECTIFIERS

High Efficiency, ESP, 2.5 Amp to 20 Amp

ELECTRICAL SPECIFICATIONS (at 25°C unless noted)

	Type	PIV	Maximum Forward Voltage Drop*	Leakage Current @ PIV		Maximum Reverse Recovery Time IF, IR, Irec	Typical Forward Recovery Time @ 1A Recover to 1V	Typical Forward Recovery Voltage @ 1A tr = 8ns	Typical Junction Capacitance @ -10V
				25°C	100°C				
2.5 Amp Series Axial	1N5802	50V	.875 @ 1A	1uA	50uA	25ns, 0.5A -0.5A -0.05A	15ns	1.5V	15pf
	1N5803	75V							
	1N5804	100V							
	1N5805	125V							
	1N5806	150V							
6 Amp Series Axial	1N5807	50V	.875 @ 4A	5uA	150uA	30ns, 1.0-1.0-0.1A	15ns	1.5V	45pf
	1N5808	75V							
	1N5809	100V							
	1N5810	125V							
	1N5811	150V							
20 Amp Series DO-4	1N5812	50V	.900 @ 10A	10uA	750uA	35ns, 1.0-1.0-0.1 A	15ns	1.5V	200pf
	1N5813	75V							
	1N5814	100V							
	1N5815	125V							
	1N5816	150V							

*Pulse width = 250ms

High Efficiency, 50 Amp DO-5



ELECTRICAL SPECIFICATIONS (at 25°C unless noted)

Type	Peak Inverse Voltage	Maximum Forward Voltage Drop	Maximum Leakage Current		Maximum Reverse Recovery Time trr @ IF-IR-Irec
			25°C	125°C	
UES501 UES502 UES503 UES504 UES505	50V 75V 100V 125V 150V	.95V @ 50A (pw = 250ms)	25uA	10mA	50ns, 1A -1A -0.5A

High Efficiency, 25A 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	
UES701 UES702 UES703	50V 100V 150V	.950 @ 25A tp = 300uS	.825 @ 25A tp = 300uS	20uA	4mA	35ns

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

Full Data Sheets on above types is available upon request