

RECTIFIERS

High Efficiency, 30A Center-Tap

FEATURES

- Very Low Forward Voltage
- Very Fast Switching Speed
- Convenient Package
- High Surge
- Low Thermal Resistance
- Mechanically Rugged
- Both Polarities Available

ABSOLUTE MAXIMUM RATINGS

Peak Inverse Voltage, UES2604	200V
Peak Inverse Voltage, UES2605	300V
Peak Inverse Voltage, UES2606	400V
Maximum Average D.C. Output Current @ $T_c = 100^\circ\text{C}$	30A
Surge Current, 8.3nSec	300A
Thermal Resistance, Junction to Case	$1^\circ\text{C}/\text{W}$
Operating and Storage Temperature Range	-55 to $+150^\circ\text{C}$

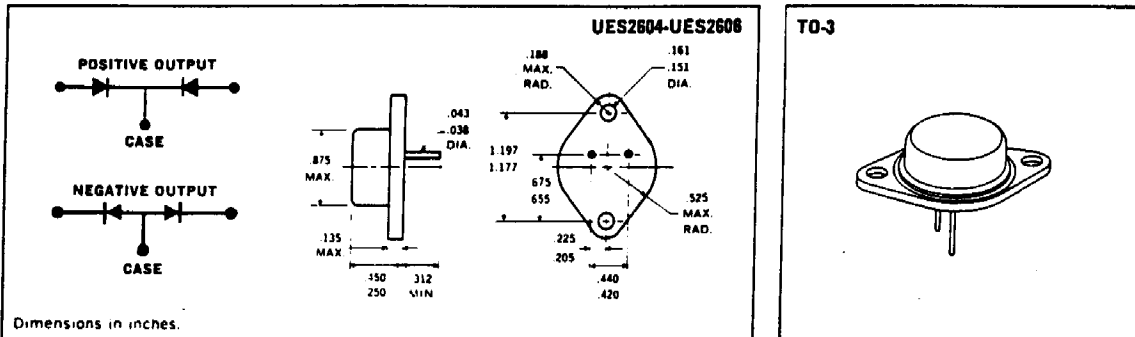
UES2604-UES2606

ELECTRICAL SPECIFICATIONS, PER LEG

Type	PIV	Maximum Forward Voltage		Maximum Reverse Current		Maximum Reverse Recovery Time*
		$T_c = 25^\circ\text{C}$	$T_c = 125^\circ\text{C}$	$T_c = 25^\circ\text{C}$	$T_c = 125^\circ\text{C}$	
UES2604	200V	1.25V	1.15V	$50\mu\text{A}$	10mA	50nS
UES2605	300V	@ 15A	@ 15A			
UES2606	400V	$t_p = 300\mu\text{S}$	$t_p = 300\mu\text{S}$			

*Measured in circuit $I_f = 1/2 I_A$, $I_R = 1\text{A}$, $I_{RRC} = 5\text{A}$

MECHANICAL SPECIFICATIONS



Note:
 Standard polarity is positive output.
 For reverse polarity (negative output) add suffix "R", i.e. UES2604R.

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