

**UES1304-UES1306**  
**RECTIFIERS**  
 High Efficiency, 5A

**FEATURES**

- Very Low Forward Voltage (1.15V)
- Very Fast Recovery Times (50nSec)
- Small Size
- High Surge

**ABSOLUTE MAXIMUM RATINGS**

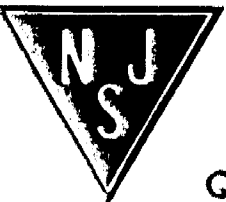
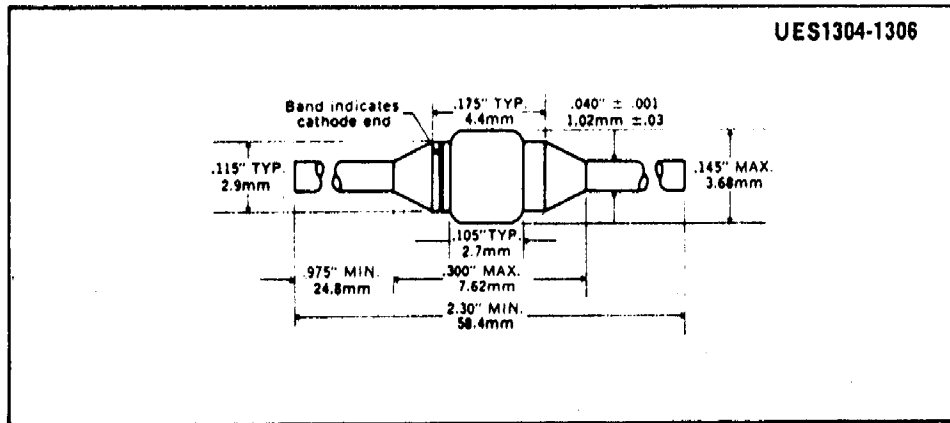
Peak Inverse Voltage, UES1304 .....	200V
Peak Inverse Voltage, UES1305 .....	300V
Peak Inverse Voltage, UES1306 .....	400V
Maximum Average D.C. Output Current, $I_o$	
@ $T_A = 25^\circ\text{C}$ (Free Air) .....	3A
@ $T_L = 50^\circ\text{C}$ , $L = 3/8"$ .....	5A
Surge Current, 8.3mSec .....	70A
Thermal Resistance @ $L = 3/8"$ .....	20°C/W
Operating and Storage Temperature Range .....	-55°C to +150°C

**ELECTRICAL SPECIFICATIONS**

Type	PIV	Maximum Forward Voltage		Maximum Reverse Current		Maximum Reverse Recovery Time*
		$T_J = 25^\circ\text{C}$	$T_J = 100^\circ\text{C}$	@ PIV, $T_J = 25^\circ\text{C}$	$T_J = 100^\circ\text{C}$	
UES1304	200V	1.25V	1.15V	20 $\mu$ A	500 $\mu$ A	50nS
UES1305	300V	@ 3A	@ 3A			
UES1306	400V	tp = 300 $\mu$ S	tp = 300 $\mu$ S			

\* Measured in circuit  $I_F = 0.5A$ ,  $I_R = 1A$ ,  $I_{REC} = 0.25A$

**MECHANICAL SPECIFICATIONS**



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