

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

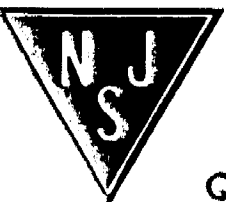
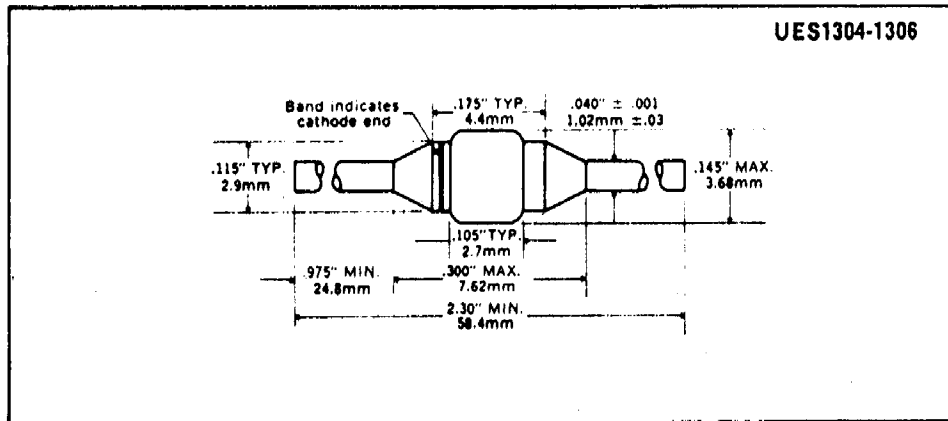
Peak Inverse Voltage, UES1304	200V
Peak Inverse Voltage, UES1305	300V
Peak Inverse Voltage, UES1306	400V
Maximum Average D.C. Output Current, I_o	
@ $T_A = 25^\circ\text{C}$ (Free Air)	3A
@ $T_L = 50^\circ\text{C}$, $L = 3/8"$	5A
Surge Current, 8.3mSec	70A
Thermal Resistance @ $L = 3/8"$	20°C/W
Operating 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 μA	500 μA	50nS
UES1305	300V	@ 3A	@ 3A			
UES1306	400V	tp = 300 μS	tp = 300 μS			

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

MECHANICAL SPECIFICATIONS



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