

FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

MAXIMUM RATINGS

	UES1104 - UES1106
Peak Inverse Voltage:	
UES1104	200V
UES1105	300V
UES1106	400V
Maximum Average D.C. Output Current: I_o @ $T_A = 25^\circ\text{C}$ (Free Air) @ $T_L = 50^\circ\text{C}$, $L = \frac{1}{2}$ "	1A 2A
Surge Current (8.3ms)	20A
Thermal Resistance @ $L = \frac{1}{2}$ "	38°C/W
Operating & Storage Temperature Range	-55°C to +150°C

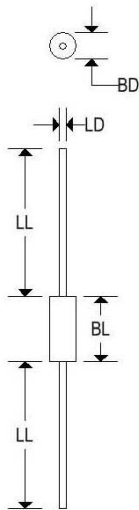
ELECTRICAL CHARACTERISTICS

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, $T_J = 25^\circ\text{C}$	$T_J = 100^\circ\text{C}$	
UES1104 UES1105 UES1106	200V 300V 400V	1.25V @ 1A $t_p = 300\mu\text{s}$	1.15V @ 1A $t_p = 300\mu\text{s}$	10 μA	200 μA	50ns

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

MECHANICAL CHARACTERISTICS

Case:	Digi A
Marking:	Alpha-Numeric
Polarity:	Cathode Band

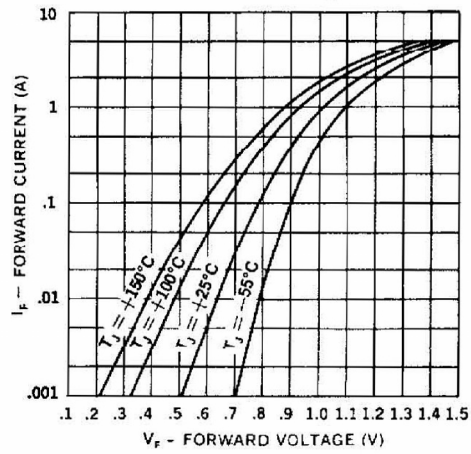


	Digi A			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.095	-	2.413
BL	-	0.180	-	4.572
LD	0.028	0.032	0.711	0.813
LL	0.700	-	17.800	-

UES1104-UES1106

HIGH EFFICIENCY RECTIFIERS

Typical Forward Current
vs. Forward Voltage



Typical Reverse Current
vs. Reverse Voltage

