

UT234-UT347, UT249-UT363, UT251-UT364, UT261-UT268

STANDARD RECOVERY RECTIFIERS

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

Peak Inverse Voltage	1 Amp Series	1.25 Amp Series	1.5 Amp Series	2 Amp Series
100V	UT236	UT249	UT251	UT261
200V	UT234	UT242	UT252	UT262
400V	UT235	UT244	UT254	UT264
500V	UT237	UT245	UT255	UT265
600V	UT238	UT247	UT257	UT267
800V	UT361	UT362	UT258	UT268
1000V	UT347	UT363	UT364	
Maximum Average D.C. Output Current @ T _A = 25°C @ T _A = 100°C	1.0A 0.5A	1.25A 0.65A	1.5A 0.75A	2.0A 1.0A
Non-Repetitive Sinusoidal Surge (8.3ms)	20A	20A	25A	30A
Operating and Storage Temperature Range	-195°C to +175°C			
Thermal Resistance	SEE LEAD TEMPERATURE DERATING CURVE			

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

TYPE	PIV	MAXIMUM FORWARD VOLTAGE DROP	MAXIMUM LEAKAGE CURRENT @ PIV	
			25°C	100°C
UT261 UT262 UT264 UT265 UT267 UT268	100V 200V 400V 500V 600V 800V	1V@900mA	2μA	75μA
UT251 UT252 UT254 UT255 UT257 UT258 UT364	100V 200V 400V 500V 600V 800V 1000V	1V@750mA	2μA	75μA
UT249 UT242 UT244 UT245 UT247 UT362 UT363	100V 200V 400V 500V 600V 800V 1000V	1V@500mA	2μA	75μA

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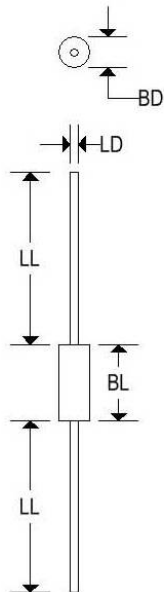
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ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

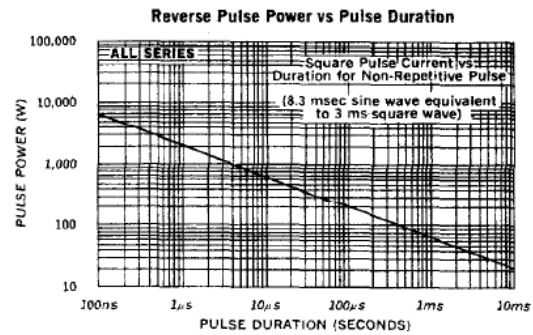
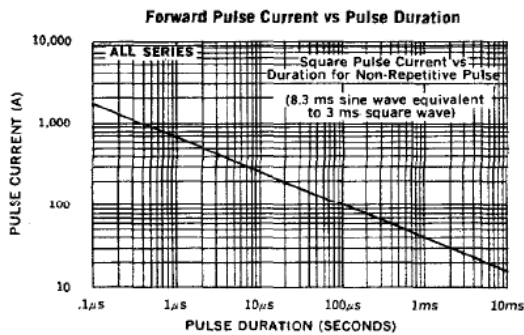
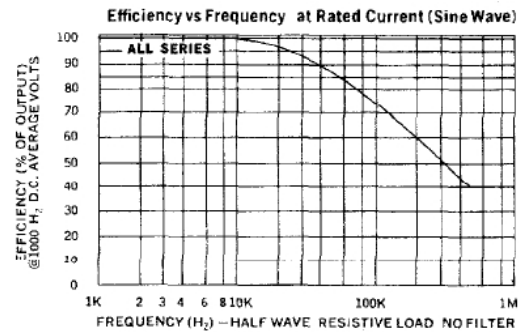
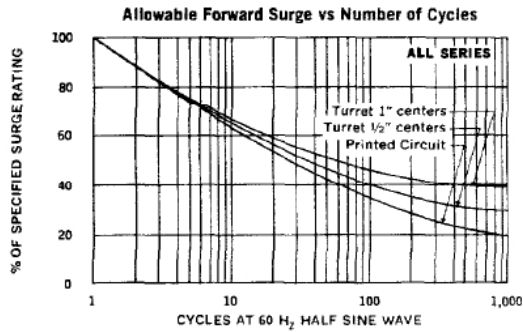
TYPE	PIV	MAXIMUM FORWARD VOLTAGE DROP	MAXIMUM LEAKAGE CURRENT @ PIV	
			25°C	100°C
UT236	100V	1V@400mA	2 μ A	75 μ A
UT234	200V			
UT235	400V			
UT237	500V			
UT238	600V			
UT361	800V			
UT347	1000V			

MECHANICAL CHARACTERISTICS

CASE:	Digi X
MARKING:	Body painted, alpha-numeric
POLARITY:	Cathode band

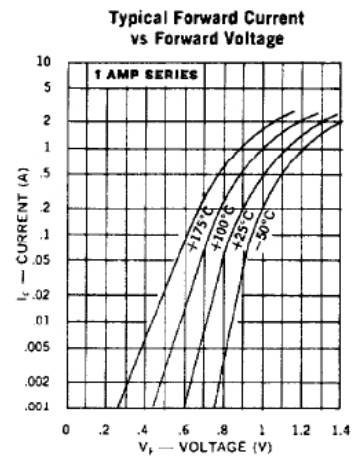
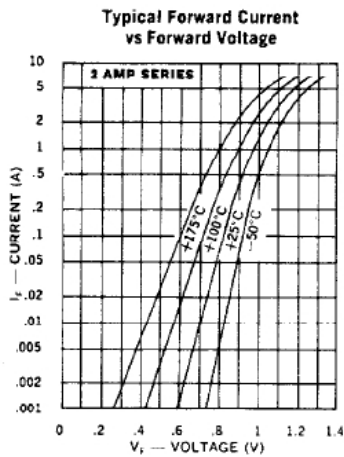
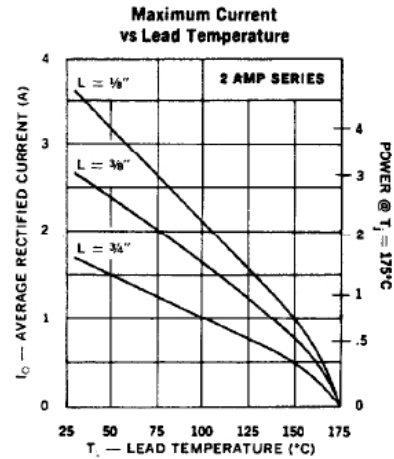
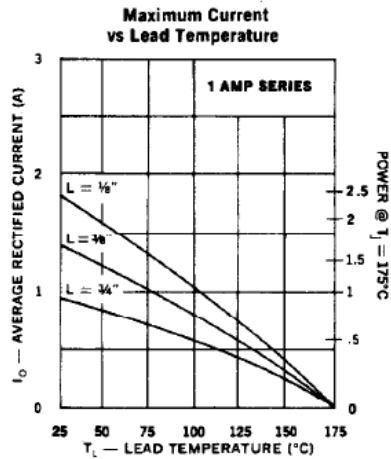


	Digi X			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	0.055	0.095	1.397	2.413
BL	0.120	0.205	3.048	5.207
LD	0.028	0.032	0.711	0.813
LL	1.000	1.500	25.400	38.100



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Typical Leakage Current vs. PIV

