



High-reliability discrete products
and engineering services since 1977

UT2005-UT2060, UT3005-UT3060, UT4005-UT4060

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	2 Amp Series	3 Amp Series	4 Amp Series
50V	UT2005	UT3005	UT4005
100V	UT2010	UT3010	UT4010
200V	UT2020	UT3020	UT4020
400V	UT2040	UT3040	UT4040
600V	UT2060	UT3060	UT4060

Rating	2 Amp Series	3 Amp Series	4 Amp Series
Maximum average DC output current @ $T_A = 25^\circ\text{C}$ @ $T_A = 100^\circ\text{C}$	2.0A 1.0A	3.0A 1.5A	4.0A 2.0A
Non repetitive sinusoidal, Surge current (8.3ms)	60A	80A	100A
Operating temperature range	-195° to 175°C		
Storage temperature range	-195° to 200°C		

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

Part number	Peak inverse voltage	Maximum forward voltage drop		Maximum leakage current at peak inverse voltage	
				25°C	100°C
				µA	µA
UT4005	50	1	3	5	100
UT4010	100	1	3	5	100
UT4020	200	1	3	5	100
UT4040	400	1	3	5	100
UT4060	600	1	3	5	100
UT3005	50	1	2	5	100
UT3010	100	1	2	5	100
UT3020	200	1	2	5	100
UT3040	400	1	2	5	100
UT3060	600	1	2	5	100
UT2005	50	1	1	5	100
UT2010	100	1	1	5	100
UT2020	200	1	1	5	100
UT2040	400	1	1	5	100
UT2060	600	1	1	5	100



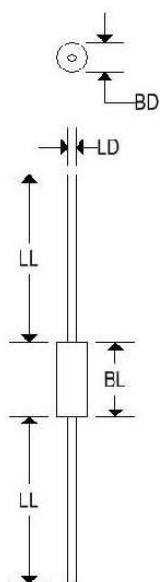
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MECHANICAL CHARACTERISTICS

Case	Digi W
Marking	Body painted, alpha-numeric
Polarity	Cathode band



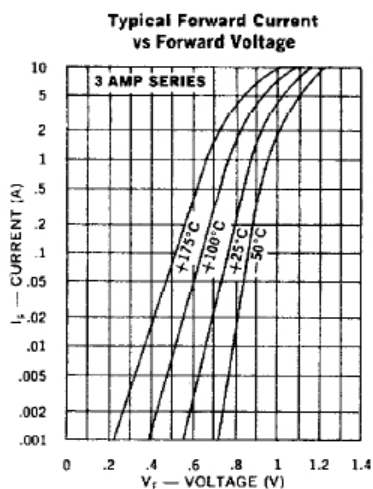
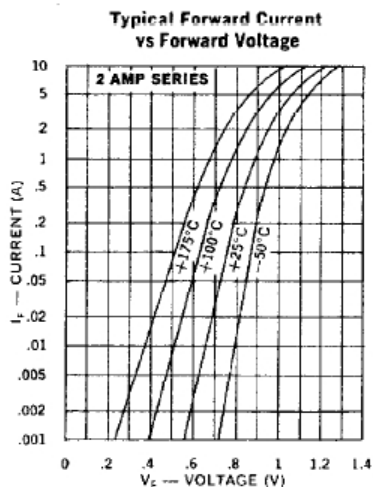
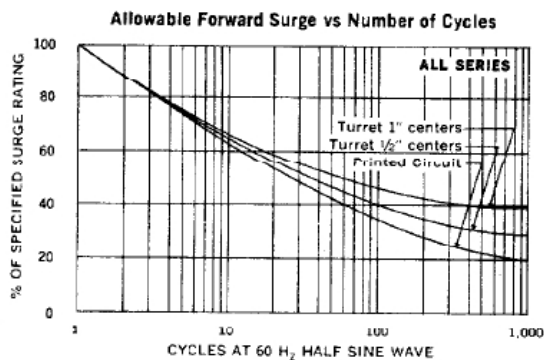
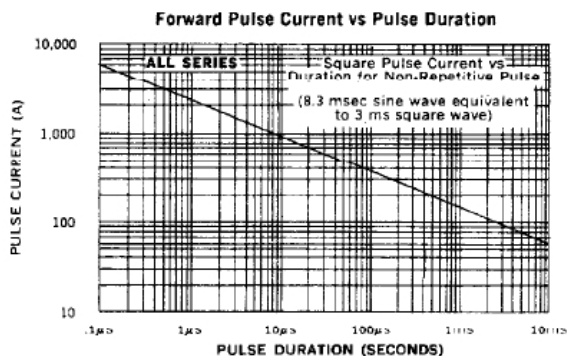
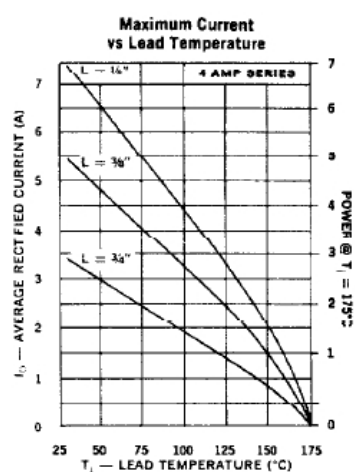
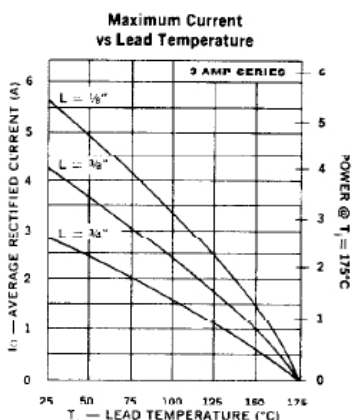
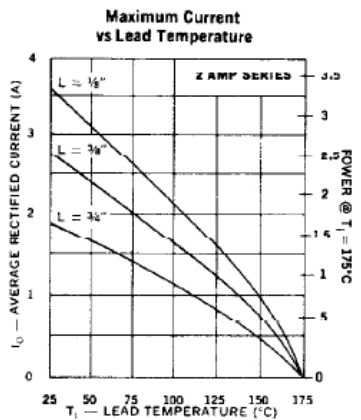
	Digi W			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	0.065	0.145	1.651	3.683
BL	0.145	0.300	3.683	7.620
LD	0.038	0.042	0.965	1.067
LL	0.975	-	24.765	-



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