

# DIGITRON SEMICONDUCTORS

UT2005-UT2060  
 UT3005-UT3060  
 UT4005-UT4060

STANDARD RECOVERY RECTIFIERS

## 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
<b>Maximum average DC output current</b> @ T <sub>A</sub> = 25°C @ T <sub>A</sub> = 100°C	2.0A 1.0A	3.0A 1.5A	4.0A 2.0A
<b>Non repetitive sinusoidal</b> Surge current (8.3ms)	60A	80A	100A
<b>Operating temperature range</b>	-195° to 175°C		
<b>Storage temperature range</b>	-195° to 200°C		
<b>Thermal resistance</b>	See lead temperature derating curve		

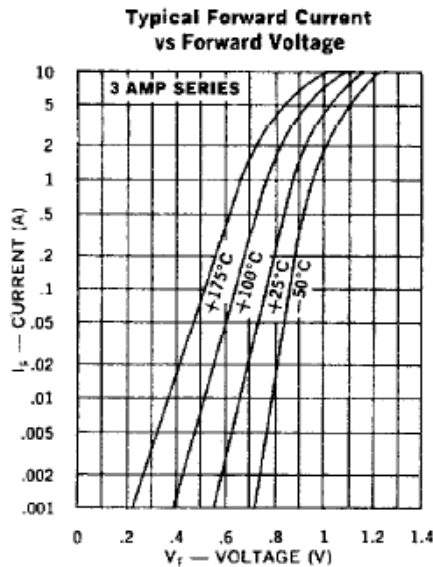
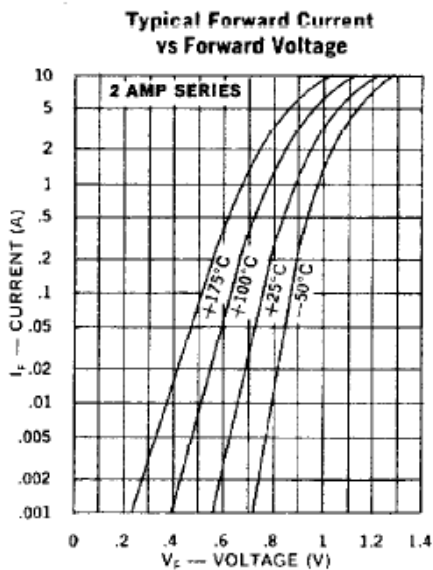
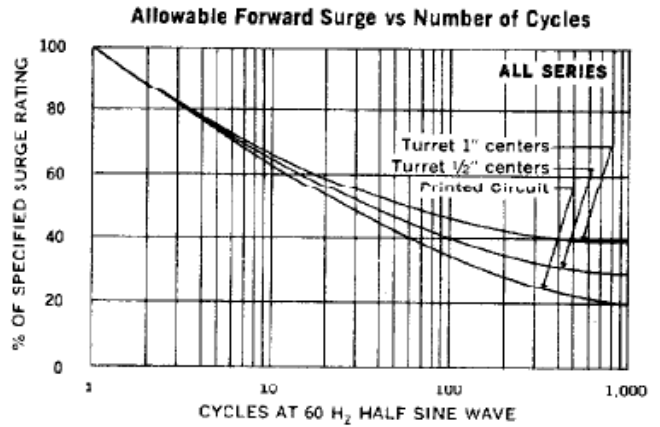
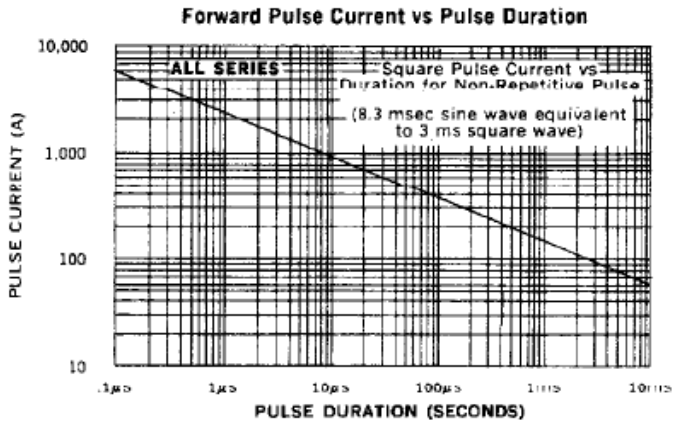
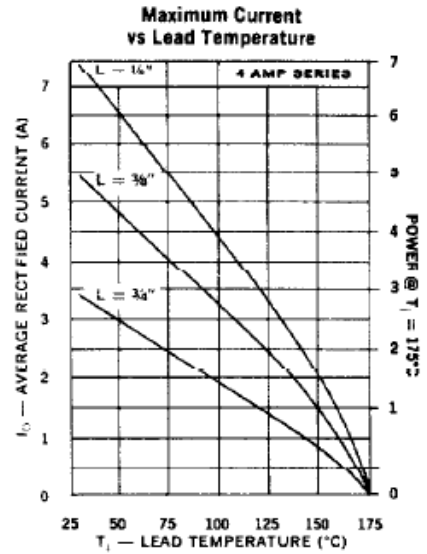
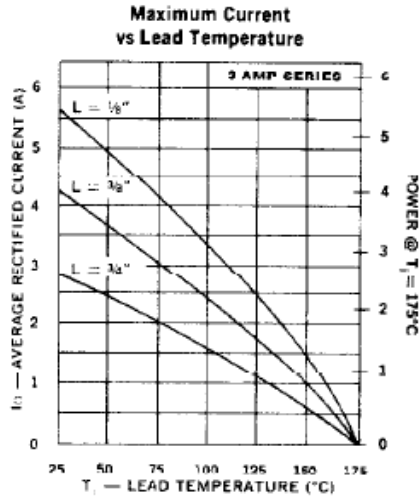
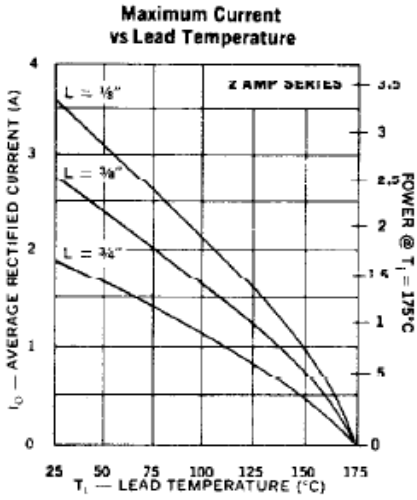
## ELECTRICAL CHARACTERISTICS (25°C unless otherwise specified)

Part number	Peak inverse voltage	Maximum forward voltage drop		Maximum leakage current at peak inverse voltage	
				25°C	100°C
	Volts	Volts	Amps	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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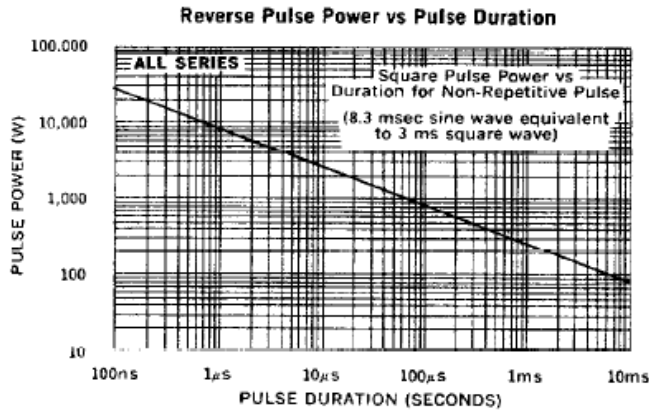
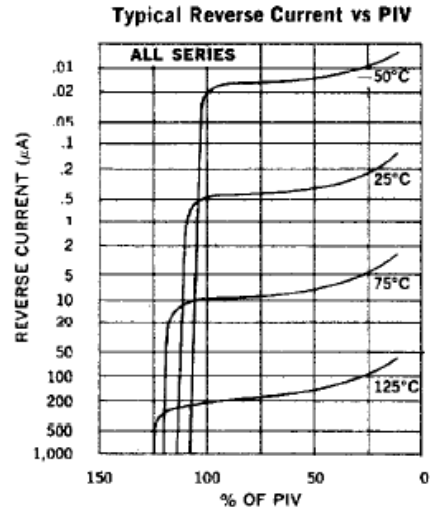
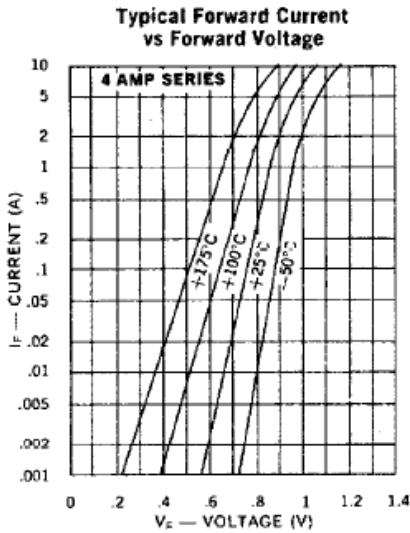
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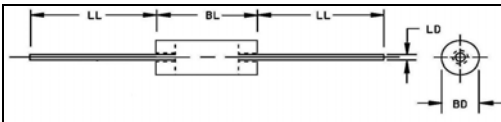
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## STANDARD RECOVERY RECTIFIERS



### MECHANICAL CHARACTERISTICS

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



Dim	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.135	-	3.429
BL	-	0.250	-	6.350
LD	0.038	0.042	0.965	1.067
LL	0.975	-	24.765	-

Available Non-RoHS (standard) or RoHS compliant (add PBF suffix).  
 Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.

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