

# DIGITRON SEMICONDUCTORS

UTR2305-UTR2360  
UTR3305-UTR3360  
UTR4305-UTR4360

FAST RECOVERY RECTIFIERS

## MAXIMUM RATINGS

Characteristic	2 amp series	3 amp series	4 amp series
Maximum average DC output current @ T <sub>A</sub> = 25°C @ T <sub>A</sub> = 100°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 (@25°C unless otherwise noted)

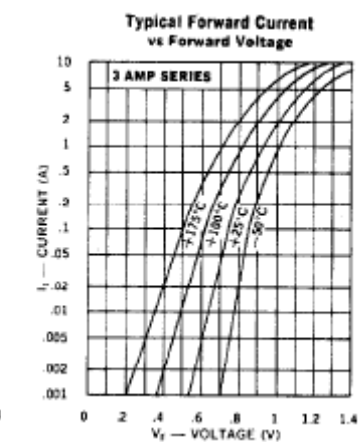
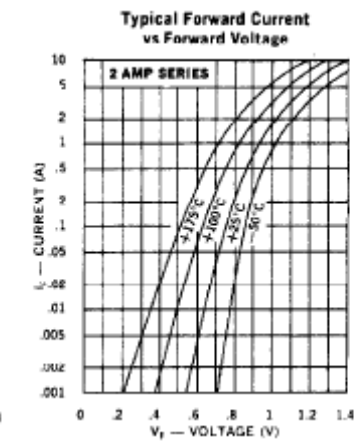
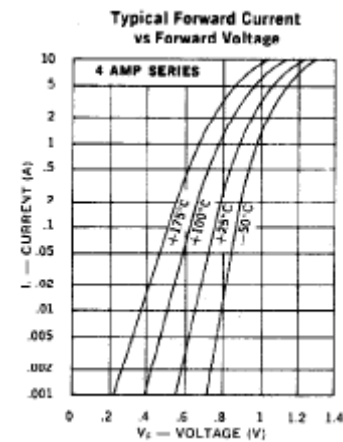
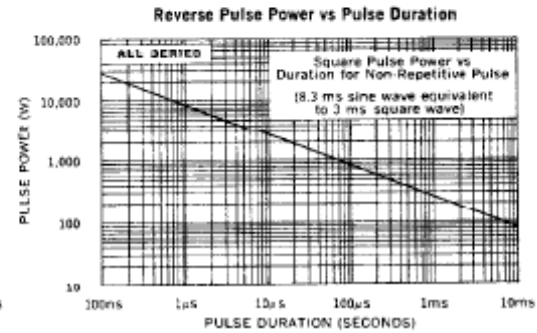
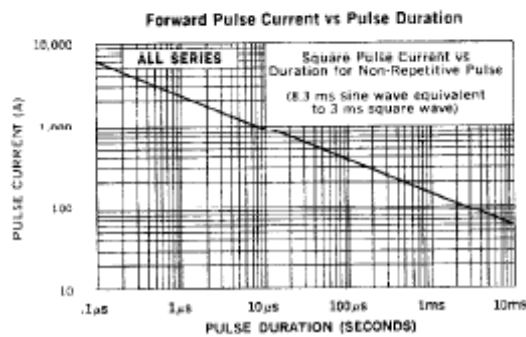
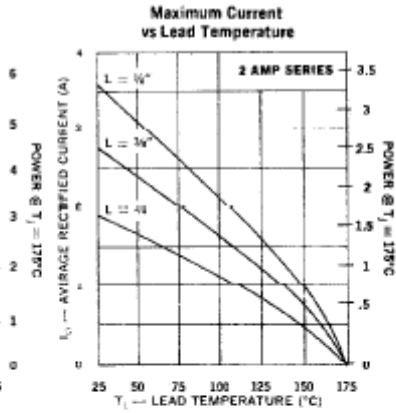
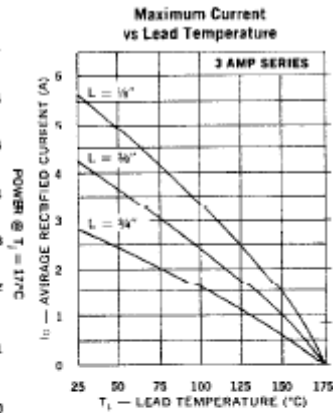
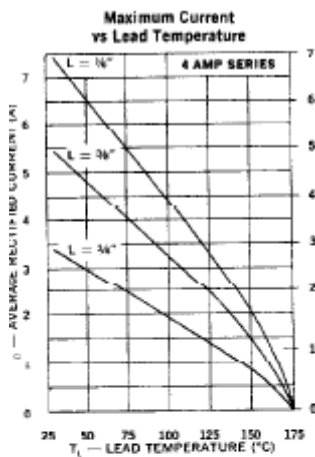
Part number	Peak inverse voltage	Maximum forward voltage drop	Maximum leakage current @ PIV		Maximum reverse recovery time *	Maximum junction capacitance @ 25°C	
			25°C	100°C		0V	-10V
UTR4305	50V	1.1V @ 4A	5μA	100μA	250ns	600pF	240pF
UTR4310	100V					400pF	160pF
UTR4320	200V					320pF	128pF
UTR4340	400V				400ns	240pF	96pF
UTR4350	500V					200pF	80pF
UTR4360	600V					160pF	64pF
UTR3305	50V	1.1V @ 3A	5μA	100μA	250ns	600pF	240pF
UTR3310	100V					400pF	160pF
UTR3320	200V					320pF	128pF
UTR3340	400V				300ns	240pF	96pF
UTR3350	500V				350ns	200pF	80pF
UTR3360	600V				400ns	160pF	64pF
UTR2305	50V	1.1V @ 2A	5μA	100μA	250ns	600pF	240pF
UTR2310	100V					400pF	160pF
UTR2320	200V					320pF	128pF
UTR2340	400V				300ns	240pF	96pF
UTR2350	500V				350ns	200pF	80pF
UTR2360	600V				400ns	160pF	64pF

Recovery time is measured from 1A to 1A recovering to 0.5A.

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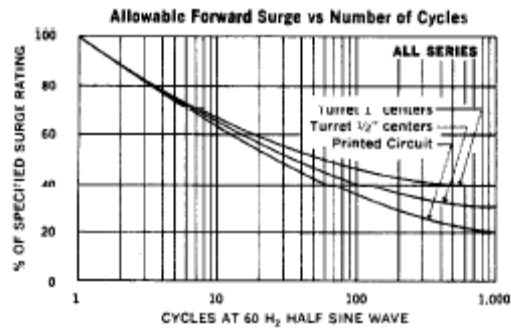
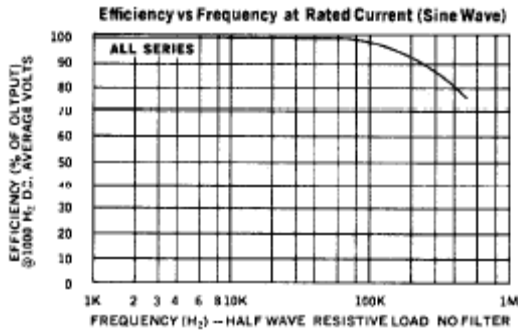
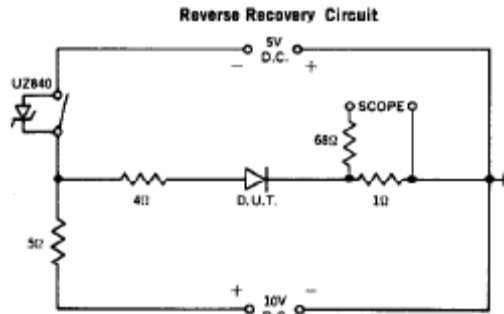
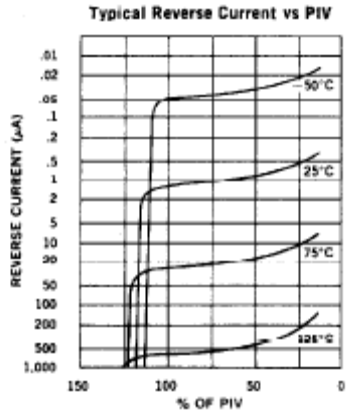
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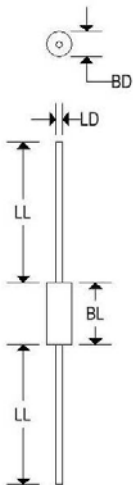
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## MECHANICAL CHARACTERISTICS

CASE	Digi B
MARKING	BODY PAINTED, ALPHA NUMERIC
POLARITY	CATHODE BAND
WEIGHT	0.363 GRAMS (APPROXIMATE)



	Digi B			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.135	-	3.429
BL	-	0.250	-	6.350
LD	0.038	0.042	0.966	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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