

# DIGITRON SEMICONDUCTORS

UTX105-UTX125, UTX205-UTX225

SUPER-FAST RECOVERY RECTIFIERS

## MAXIMUM RATINGS

Characteristic	1 amp series	2 amp series
Maximum average DC output current @ T <sub>A</sub> = 25°C @ T <sub>A</sub> = 100°C	1.0A 0.5A	2.0A 1.0A
Non-repetitive sinusoidal Surge current (8.3ms)	20A	25A
Operating temperature range	-195 to +175°C	
Storage temperature range	-195 to +200°C	

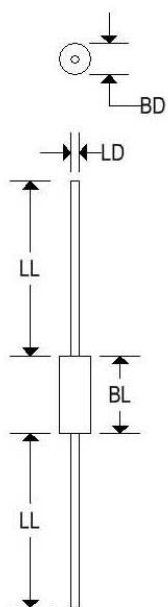
## ELECTRICAL CHARACTERISTICS (@25°C unless otherwise noted)

Part number	Peak inverse voltage	Maximum forward voltage drop	Maximum leakage current @ PIV		Maximum reverse recovery time *
			25°C	100°C	
UTX205	50V	1.0V @ 1A <sub>dc</sub>	3μA	50μA	75ns
UTX210	100V				
UTX215	150V				
UTX220	200V				
UTX225	250V				
UTX105	50V	1.0V @ 0.5A <sub>dc</sub>	3μA	50μA	75ns
UTX110	100V				
UTX115	150V				
UTX120	200V				
UTX125	250V				

Recovery time is measured from 10.0mA to 10.0mA recovering to 5.0mA.

## MECHANICAL CHARACTERISTICS

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

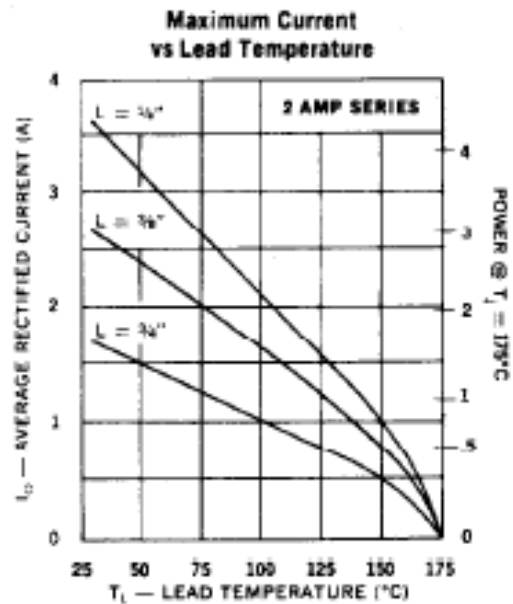
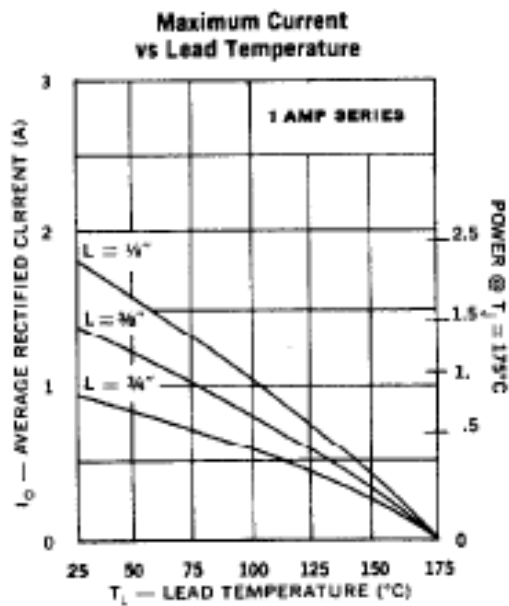
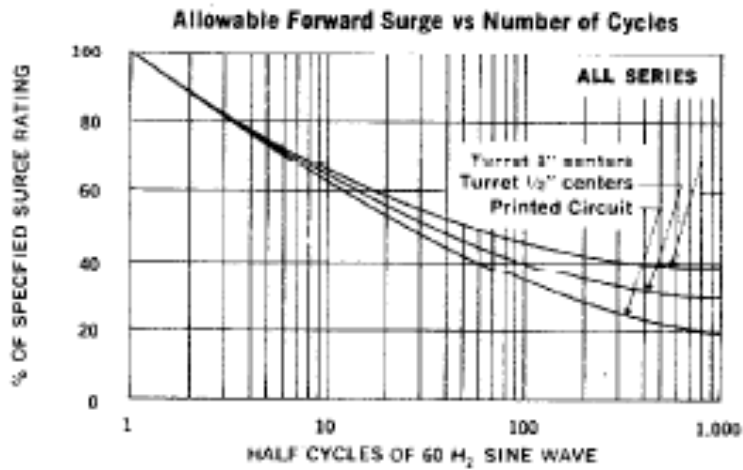


	Digi A			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.095	-	2.413
BL	-	0.180	-	4.572
LD	0.028	0.032	0.711	0.813
LL	0.700	-	17.800	-

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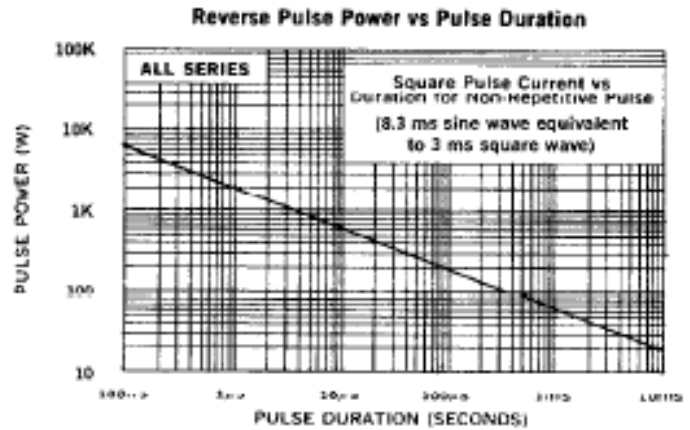
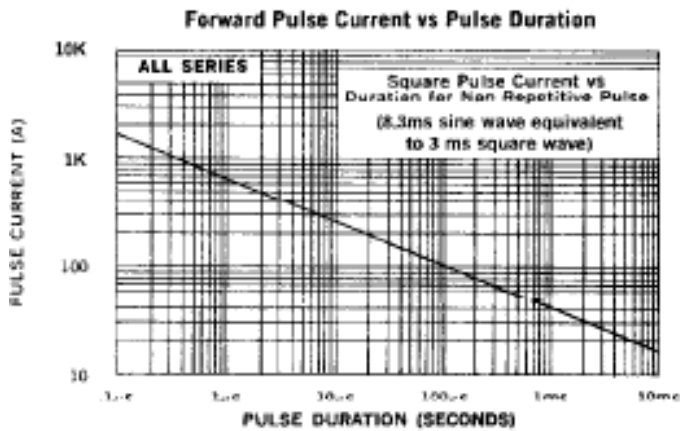
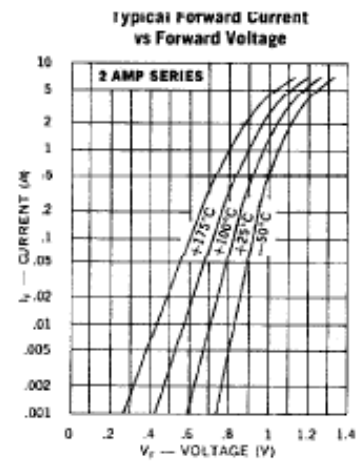
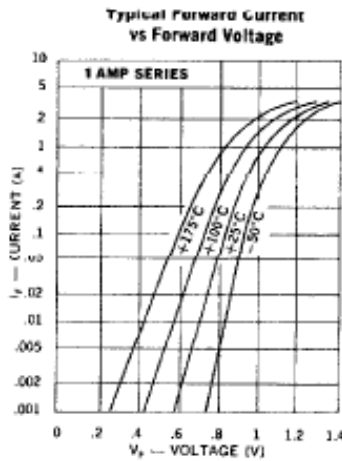
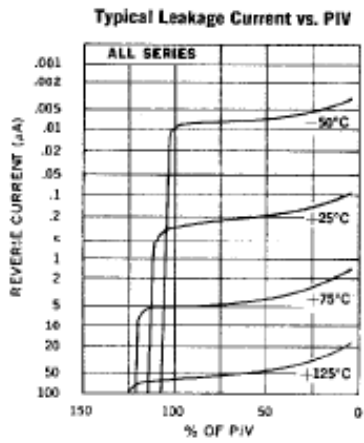
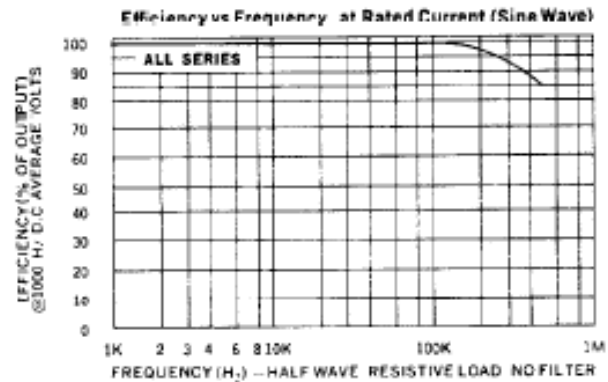
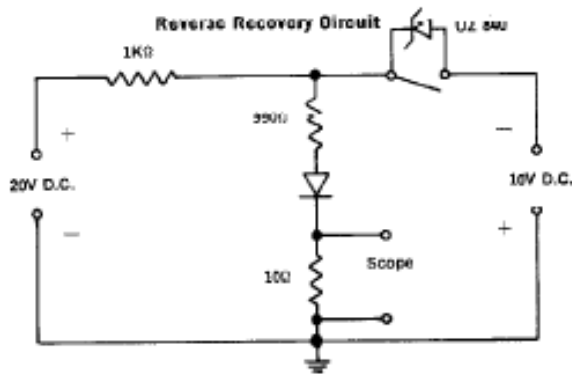
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Available Non-RoHS (standard) or RoHS compliant (add PBF suffix).  
 Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.