

UTX3105-UTX3120, UTX4105-UTX4120

SUPER FAST RECOVERY RECTIFIERS

FEATURES:

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

MAXIMUM RATINGS

Characteristic	3 amp series	4 amp series
Maximum average DC output current		
@ T _A = 25°C	3.0A	4.0A
@ T _A = 100°C	1.5A	2.0A
Non-repetitive sinusoidal Surge current (8.3ms)	60A	80A
Operating temperature range	-195 to	+175°C
Storage temperature range	-195 to	+200°C

ELECTRICAL CHARACTERISTICS

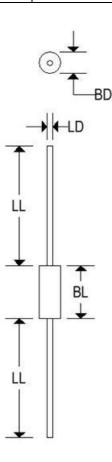
Part number	Peak inverse voltage	Maximum forward	Maximum leaka	ge current @ PIV	Maximum reverse
Part number Peak II	Peak inverse voitage	voltage drop	25°C	100°C	recovery time *
UTX4105	50V				
UTX4110	100V	1V @ 3 Adc	E., A	754	100ns
UTX4115	150V	IV @ 3 Adc	5μΑ	75μΑ	TOORS
UTX4120	200V				
UTX3105	50V	1V @ 2 Adc	5μΑ	75μΑ	100ns
UTX3110	100V				
UTX3115	150V				
UTX3120	200V				

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



MECHANICAL CHARACTERISTICS

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



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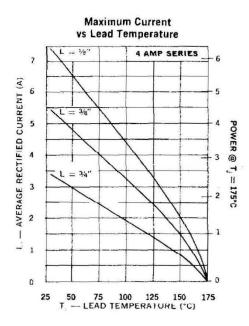
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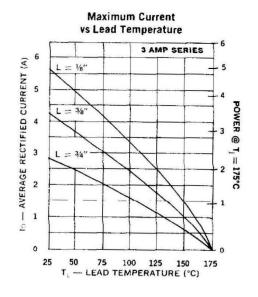
	Digi B					
	Inches		Millimeters			
	Min	Max	Min	Max		
BD	0.115	0.142	2.921	3.607		
BL	0.130	0.260	3.302	6.604		
LD	0.036	0.042	0.914	1.067		
LL	1.000	1.500	25.400	38.100		



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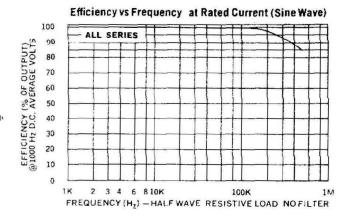




12840 12840 100 SCOPE 0 68Ω 100 SCOPE 0 100 SCOPE 0

10V D.C. 0

Reverse Recovery Circuit





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