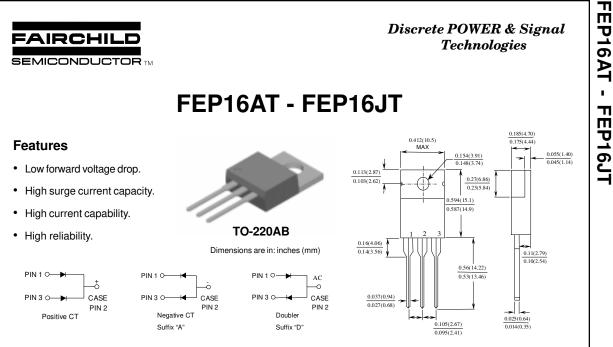


EN: This Datasheet is presented by the manufacturer.

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16 Ampere Glass Passivated Super Fast Rectifiers

Absolute Maximum Ratings* T₄ = 25°C unless otherwise noted

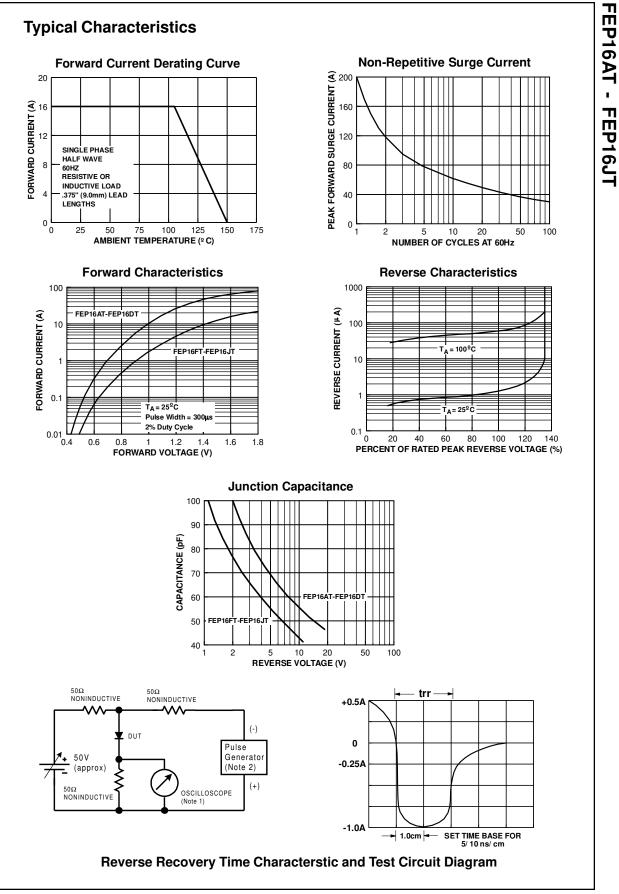
Symbol Parameter Value Units 16 lo Average Rectified Current А .375 " lead length @ T_A = 100°C Peak Forward Surge Current if(surge) 8.3 ms single half-sine-wave 200 А Superimposed on rated load (JEDEC method) PD 8.33 W Total Device Dissipation 66 Derate above 25°C mW/°C $R_{\theta JA}$ Thermal Resistance, Junction to Ambient 15 °C/W Thermal Resistance, Junction to Lead 2.2 $R_{\theta JL}$ °C/W T_{stg} Storage Temperature Range -65 to +150 °C **Operating Junction Temperature** -65 to +150 °C ΤJ

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Electrical Characteristics T_A = 25°C unless otherwise noted

Parameter		Device								Units	
		16AT	16BT	16CT	16DT	16FT	16GT	16HT	16JT		
Peak Repetitive Reverse Voltage		50	100	150	200	300	400	500	600	V	
Maximum RMS Voltage		35	70	105	140	210	280	350	420	V	
DC Blocking Voltage	(Rated V _R)	50	100	150	200	300	400	500	600	V	
		10 500								μΑ μΑ	
Maximum Reverse Recovery Time $I_F = 0.5 A$, $I_R = 1.0 A$, $I_{RR} = 0.25 A$		35				50				nS	
Maximum Forward Voltage @ 8.0A		0.95				1.3		1.5		V	
Typical Junction Capacitance $V_B = 4.0. f = 1.0 MHz$		85 60							pF		

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FEP16AT - FEP16JT, Rev. A

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PRODUCT STATUS DEFINITIONS

Definition of Terms

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