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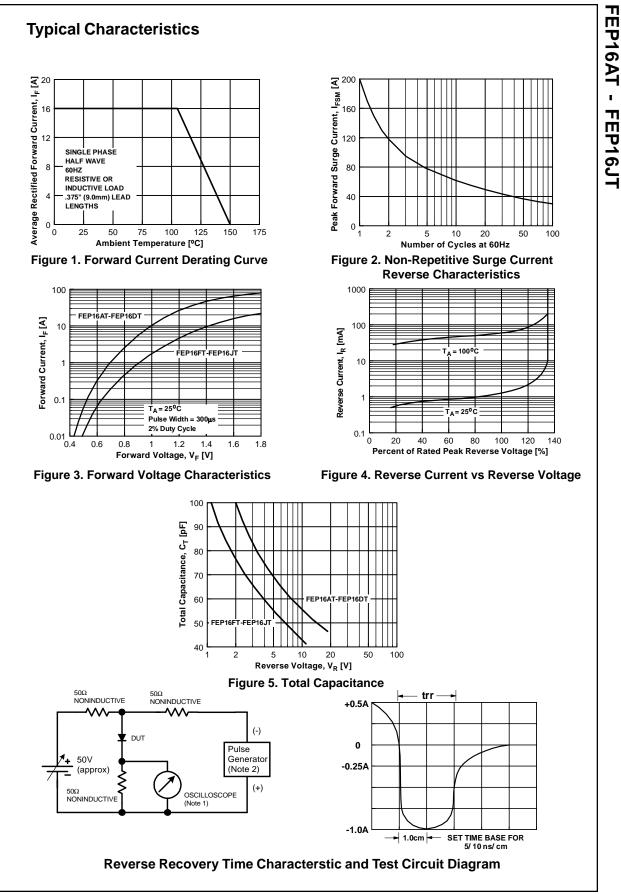
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Symbol	Parameter	Value	Units
P <sub>D</sub>	Power Dissipation	8.33	W
R <sub>eJA</sub>	Thermal Resistance, Junction to Ambient	15	°C/W
R <sub>θJL</sub>	Thermal Resistance, Junction to Lead	2.2	°C/W

### **Electrical Characteristics** $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Device								Units
		16AT	16BT	16CT	16DT	16FT	16GT	16HT	16JT	-
V <sub>F</sub>	Forward Voltage @ 8.0A	0.95			1.3		1.5		V	
t <sub>rr</sub>	Reverse Recovery Time $I_F = 0.5 \text{ A}, I_R = 1.0 \text{ A}, I_{RR} = 0.25 \text{ A}$	35 5				50		ns		
I <sub>R</sub>	Reverse Current @ rated $V_R$ $T_A = 25^{\circ}C$ $T_A = 100^{\circ}C$	10 500					μΑ μΑ			
C <sub>T</sub>	Total Capacitance $V_{R}$ = 4.0. f = 1.0 MHz	85 60					0	pF		



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FEP16AT - FEP16JT, Rev. C

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