

Symbol	Parameter	Value							Units	
		16AT	16BT	16CT	16DT	16FT	16GT	16HT	16JT	
$V_{RRM}$	Maximum Repetitive Reverse Voltage	50	100	150	200	300	400	500	600	V
I <sub>F(AV)</sub>	Average Rectified Forward Current, .375 " lead length @ $T_A = 100^{\circ}C$	16					A			
I <sub>FSM</sub>	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	250					А			
T <sub>sta</sub>	Storage Temperature Range	-65 to +150					V			
TJ	Operating Junction Temperature	-65 to +150					pF			

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

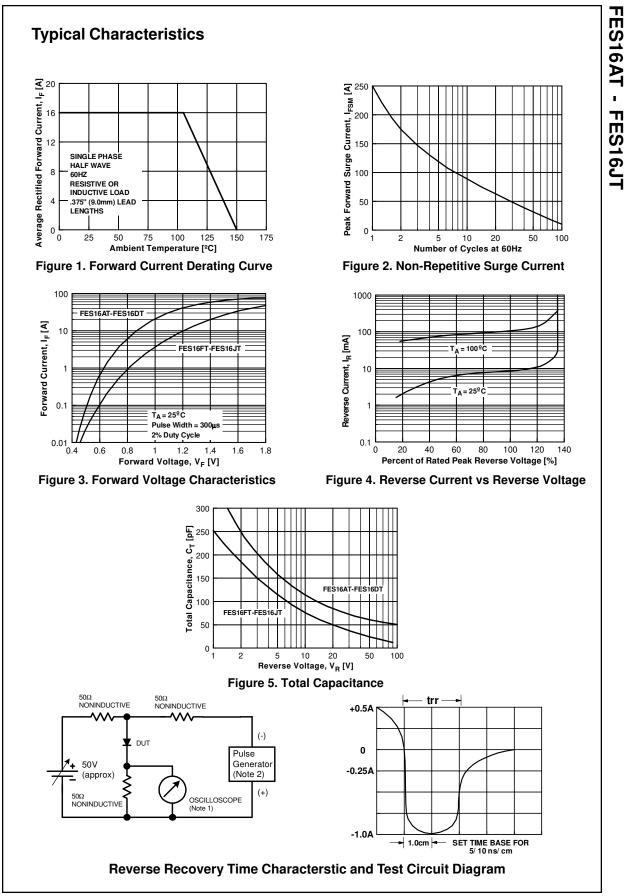
# **Thermal Characteristics**

Symbol	Parameter	Value	Units
P <sub>D</sub>	Power Dissipation	7.81	W
R <sub>eJA</sub>	Thermal Resistance, Junction to Ambient	16	°C/W
$R_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	Thermal Resistance, Junction to Lead	1.2	°C/W

# Electrical Characteristics T<sub>A</sub> = 25°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 $I_F = 0.5 A$ , $I_B = 1.0 A$ , $I_{BB} = 0.25 A$	35			50				ns	
I <sub>R</sub>	Reverse Current @ rated $V_R$ $T_A = 25^{\circ}C$ $T_A = 100^{\circ}C$	10 500					μ <b>Α</b> μΑ			
C <sub>T</sub>	Total Capacitance V <sub>R</sub> = 4.0. f = 1.0 MHz	170 145					15	pF		

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	Formative or In Design First Production Full Production

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