- 650-Volt SiC JBS Rectifier
- Zero Reverse Recovery
- Positive Temperature Coefficient on Va E E

Forward Voltage Drop(Note2)						
I_R = 100μA			-	650	-	
at I_F=15A	T_A=25°C		-	1.34	1.6	
	T_A=175°C		-	1.61	-	
Maximum Reverse Current at V_R=650V	T_A=25°C		-	1	50	
	T_A=175°C		-	8.5	-	
Total capacitive charge	V_R = 400V		-	42	-	
Total capacitance	V_R = 1V, f = 1MHz		-	567	-	
	V_R = 200V, f = 1MHz		-	82	-	
	V_R = 400V, f = 1MHz		-	61	-	
Capacitance stored energy	V_R = 400V		-	6.2	-	



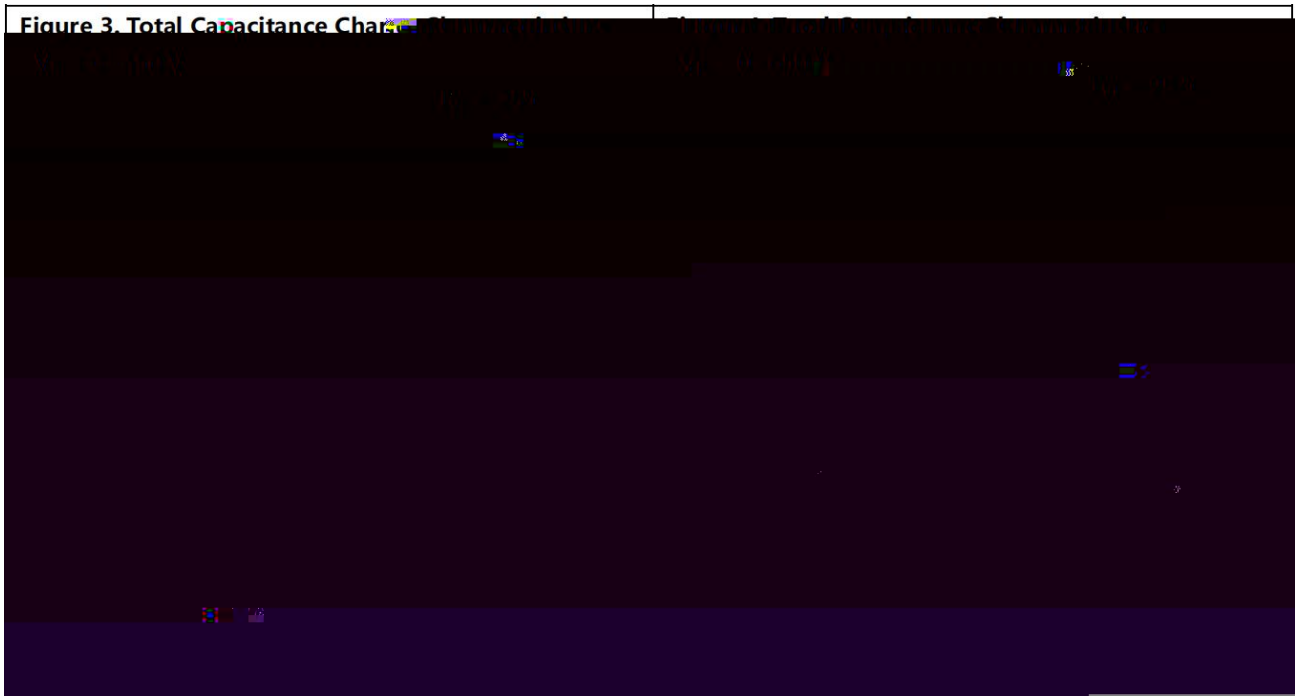

Figure 5. Power dissipation as function of case

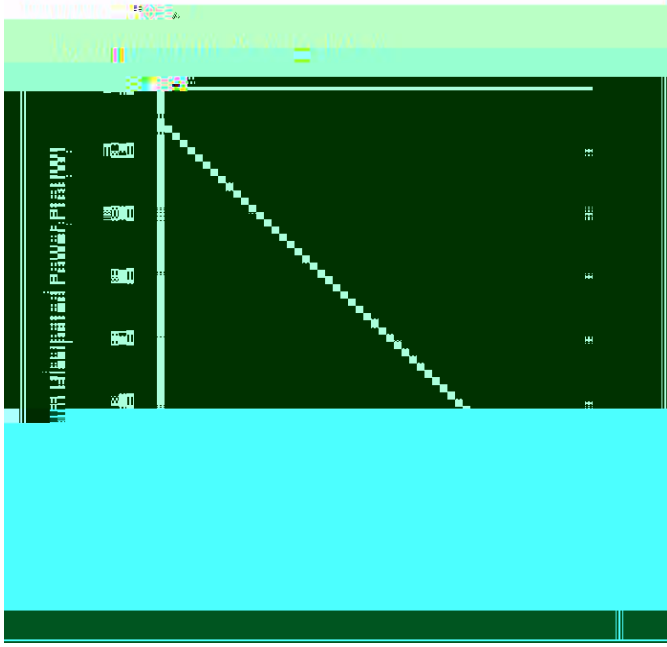

Figure 6. Capacitance Stored Energy

Figure 7. Max. transient thermal



Marking Diagram

Ordering information

Model name	Package	Unit Weight	Base Quantity	Packing Quantity
YFWD315065FAC	TO-220FAC	0.06oz(1.7g)	50pcs/tube	1000PCS/Box 5000PCS/Carton

Package Dimensions

TO-220FAC

Symbol	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	9.95	10.25	0.392	0.404
B	2.95	3.25	0.116	0.128
C	1.25	1.45	0.049	0.057 1.25