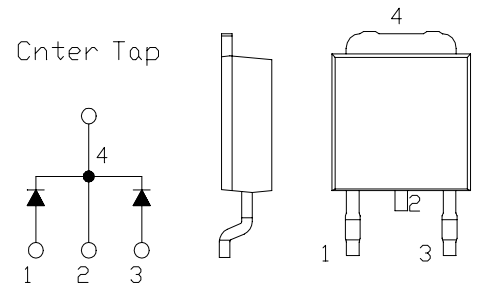


FRD Type : EA21FC2-F

OUTLINE DRAWING

FEATURES

- * TO-252AA Case, Surface Mounting Device
- * Packaged in 16mm Tape and Reel
- * Ultra – Fast Recovery
- * Low Forward Voltage drop
- * Low Power Loss
- * High Surge Capability
- * 200 Volts thru 400 Volts Types Available



Maximum Ratings

Approx Net Weight:0.30g

Rating		Symbol	EA21FC2-F			Unit
Repetitive Peak Reverse Voltage		V _{RRM}	200			V
Non-repetitiv Peak Reverse Voltage		V _{RSM}	220			
Average Rectified Output Current	P.C.Board mounted *	I _O	1.6	Ta=25°C	50Hz Full Sine Wave Resistive Load	A
	-		2.0	Tc=136°C		
RMS Forward Current		I _{F(RMS)}	2.22			A
Surge Forward Current		I _{FSM}	30	50Hz Full Sine Wave,1cycle, Non-repetitive		A
Operating JunctionTemperature Range		T _{jw}	- 40 to + 150			°C
Storage Temperature Range		T _{stg}	- 40 to + 150			°C

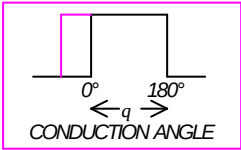
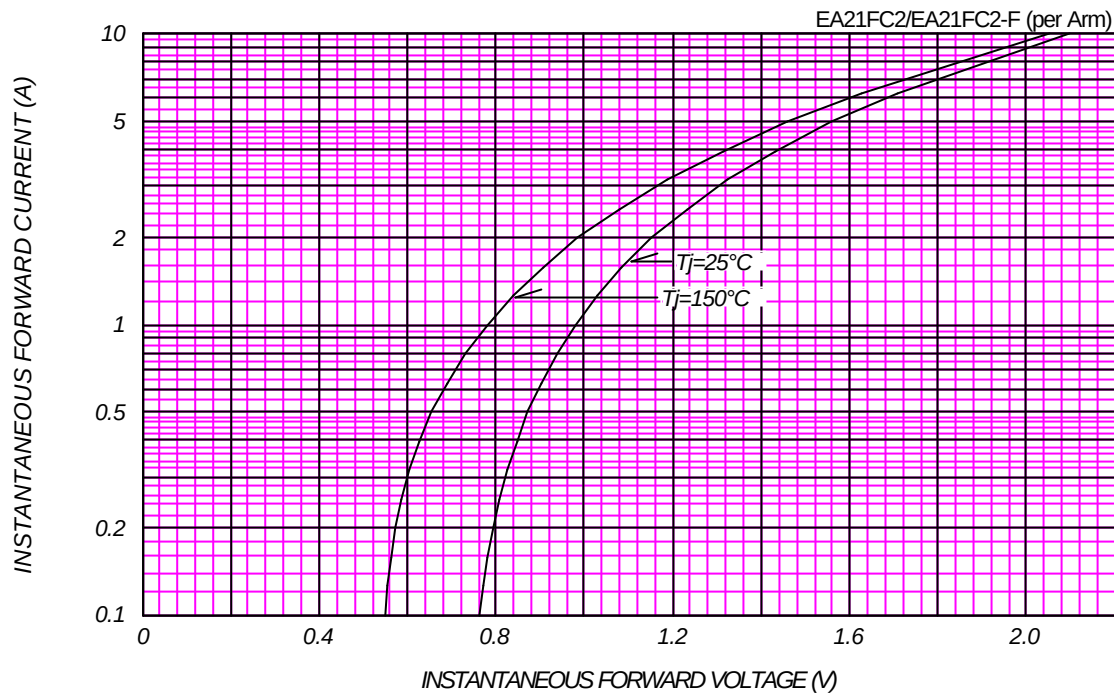
Electrical • Thermal Characteristics

Characteristics		Symbol	Conditions	Min	Typ	Max	Unit
Peak Reverse Current		I_{RM}	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$ per Arm	-	-	10	μA
Peak Forward Voltage		V_{FM}	$T_j=25^{\circ}C, I_{FM}= 1 A$ per Arm	-	-	0.98	V
Reverse Recovery Time		t_{rr}	$I_{FM}= 1 A$, $-di/dt= 50 A/\mu s$, $T_a= 25^{\circ}C$	-	-	30	ns
Thermal Resistance	Junction to Ambient	$R_{th(j-a)}$	P.C.Board mounted *	-	-	80	$^{\circ}C/W$
	Junction to Case	$R_{th(j-c)}$	-	-	-	6	$^{\circ}C/W$

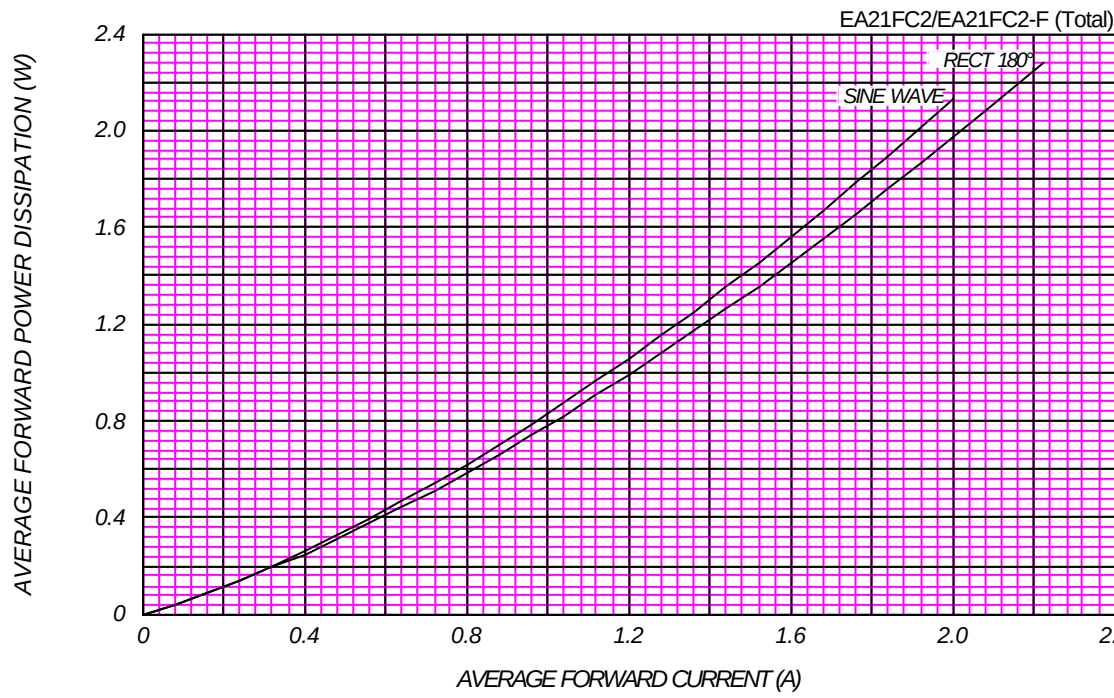
* Print Land = 20x20 mm

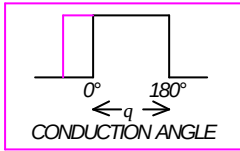


FORWARD CURRENT VS. VOLTAGE

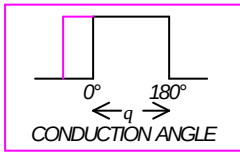
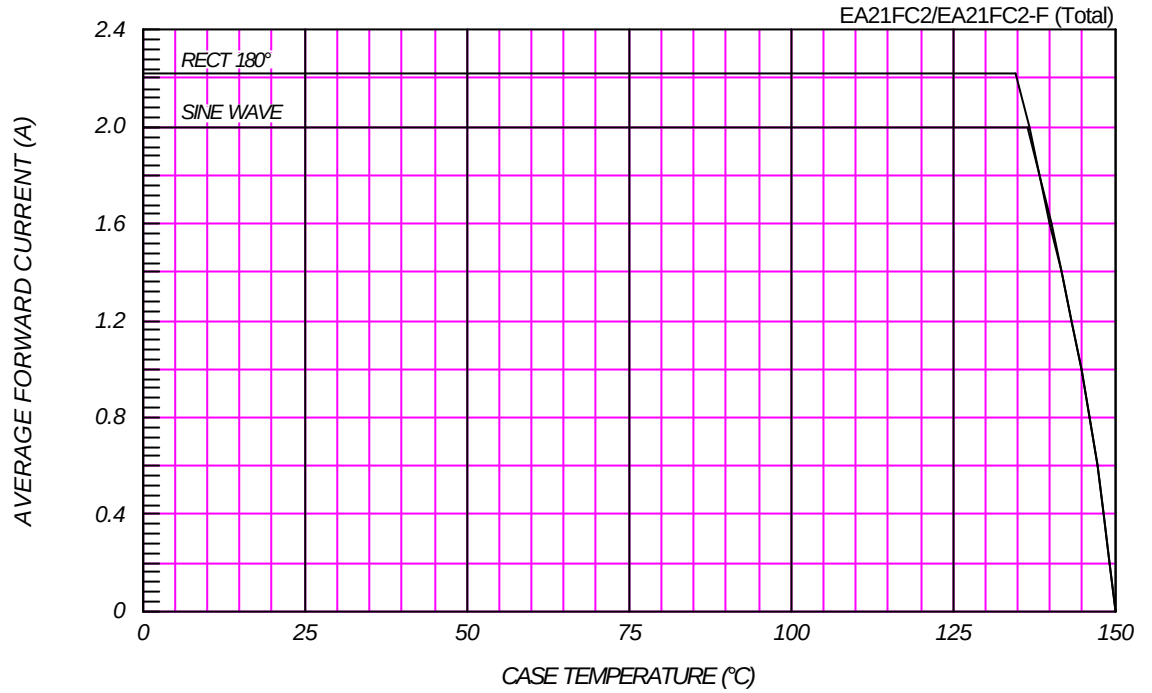


AVERAGE FORWARD POWER DISSIPATION

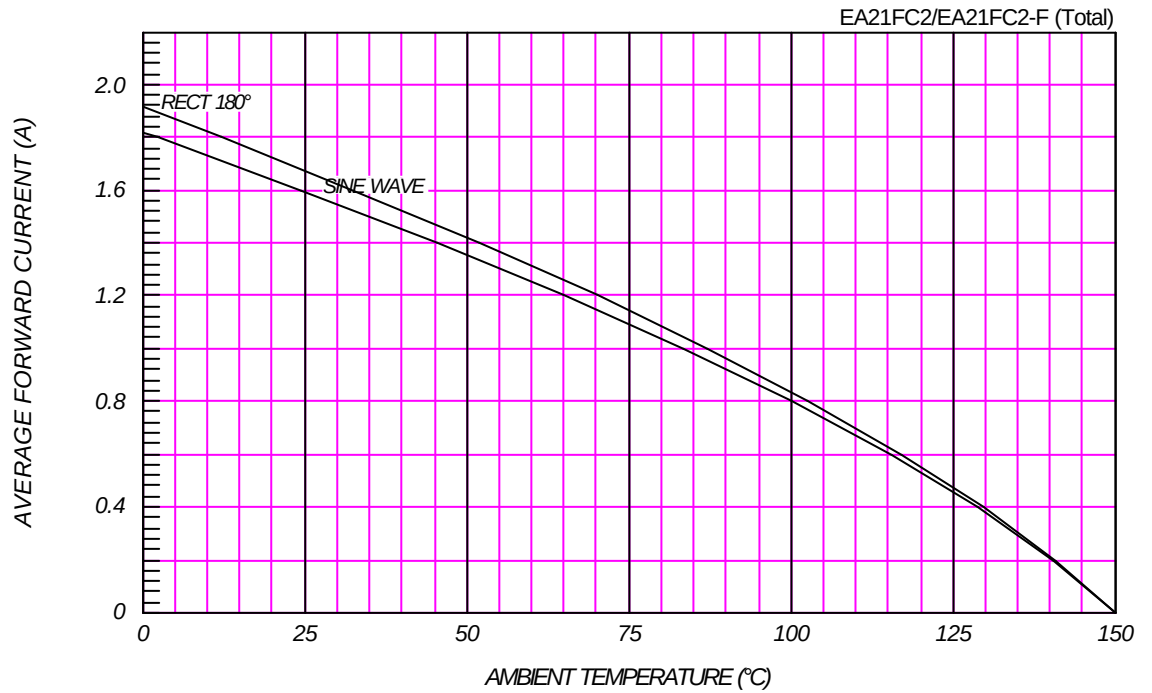




AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE



AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE



SURGE CURRENT RATINGS

f=50Hz,Sine Wave,Non-Repetitive,No Load

EA21FC2/EA21FC2-F

