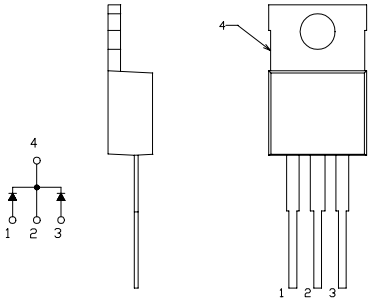


FRD Type : **GCF10A60**

OUTLINE DRAWING

FEATURES

- * Similar to TO220AB Case
- * Dual Diodes – Cathode Common
- * Ultra – Fast Recovery
- * Low Forward Voltage Drop
- * High Surge Capability
- * 200 Volts thru 600 Volts Types Available



Maximum Ratings

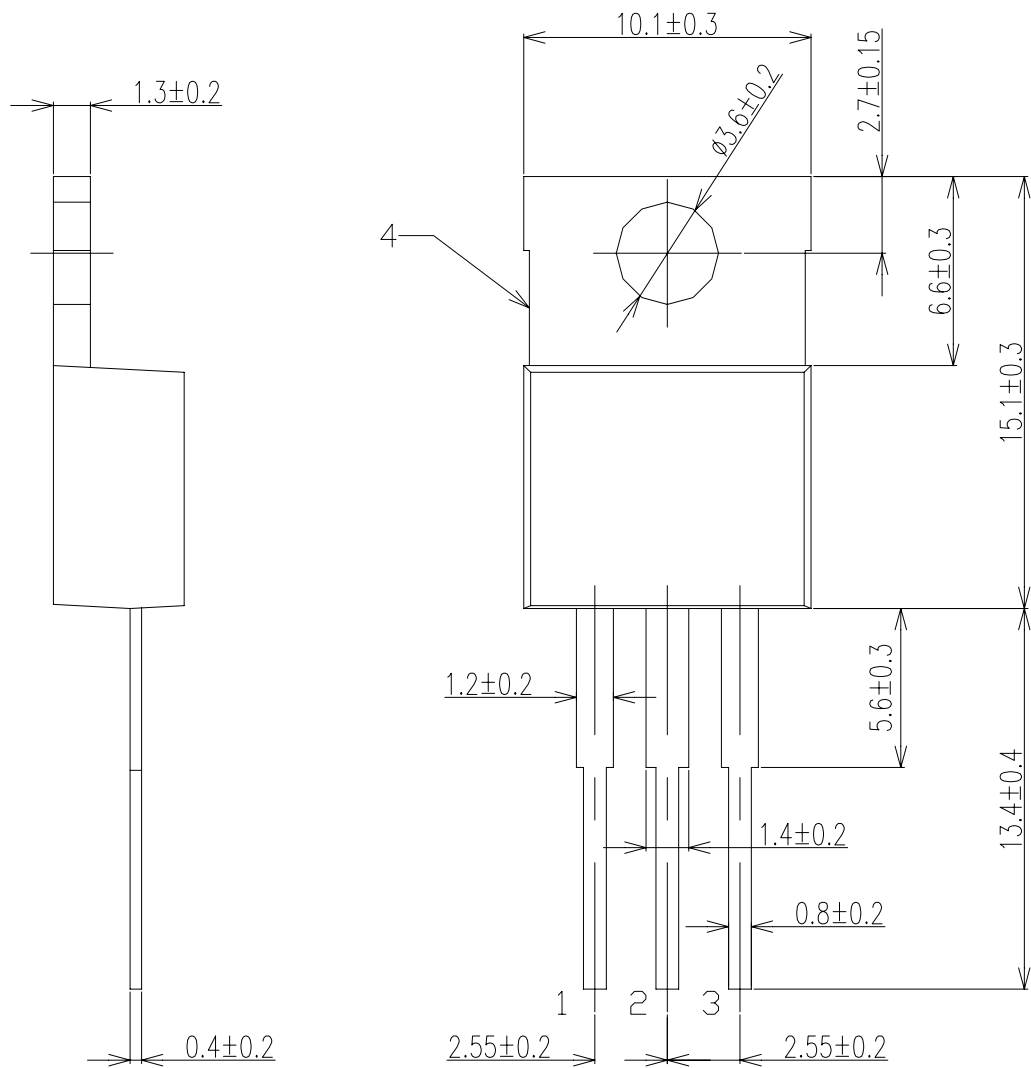
Approx Net Weight:1.9g

Rating	Symbol	GCF10A60			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	600			V
Average Rectified Output Current	I _O	10	Tc=99℃	50 Hz,Full Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	11.1			A
Surge Forward Current	I _{FSM}	80	50 Hz Full Sine Wave,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T _{jw}	- 40 to + 150			℃
Storage Temperature Range	T _{stg}	- 40 to + 150			℃
Mounting torque		0.5	Recommended value		N•m

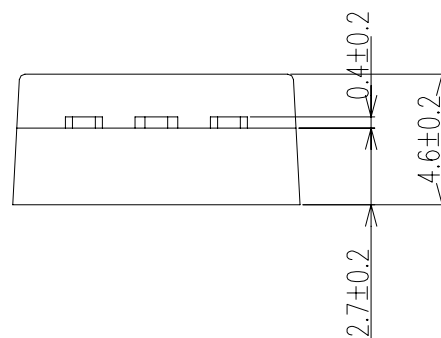
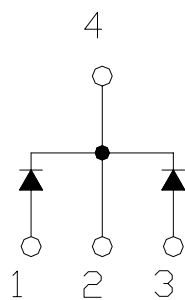
Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I _{RM}	T _j =25°C,V _{RM} =V _{RRM} per Arm	-	-	30	μA
Peak Forward Voltage	V _{FM}	T _j =25°C, I _{FM} =5A per Arm	-	-	1.7	V
Reverse Recovery Time	trr	I _{FM} = 5 A, -di/dt= 50 A/μs, Ta= 25°C	-	-	40	ns
Thermal Resistance	Rth(j-c)	Junction to Case	-	-	3	°C/W

GCF_A_ OUTLINE DRAWING (Dimensions in mm)

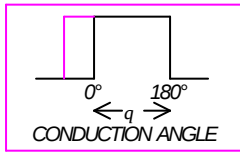
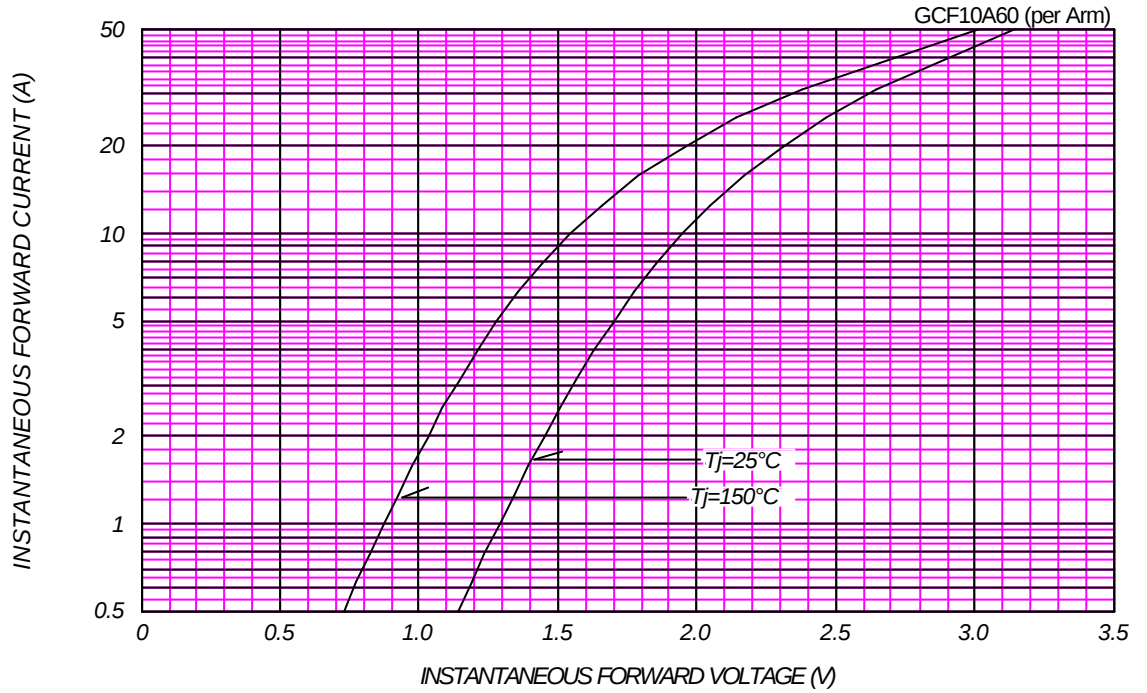


Center Tap

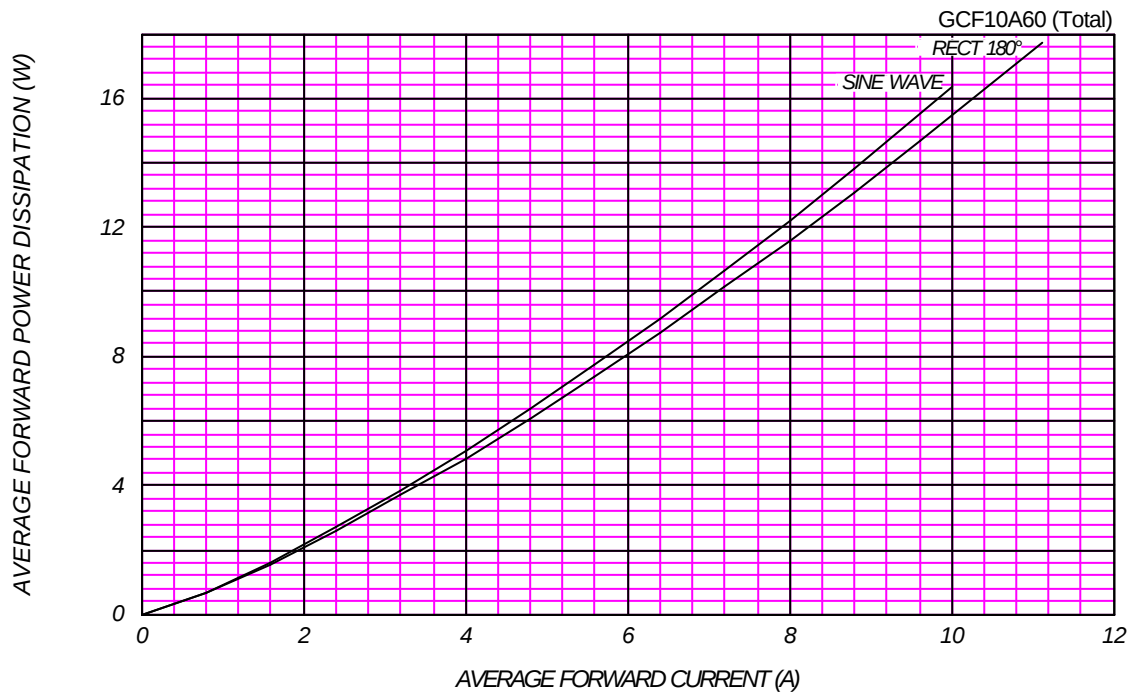


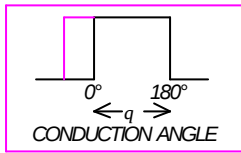
FORWARD CURRENT VS. VOLTAGE

10ms Sine Wave Single Pulse

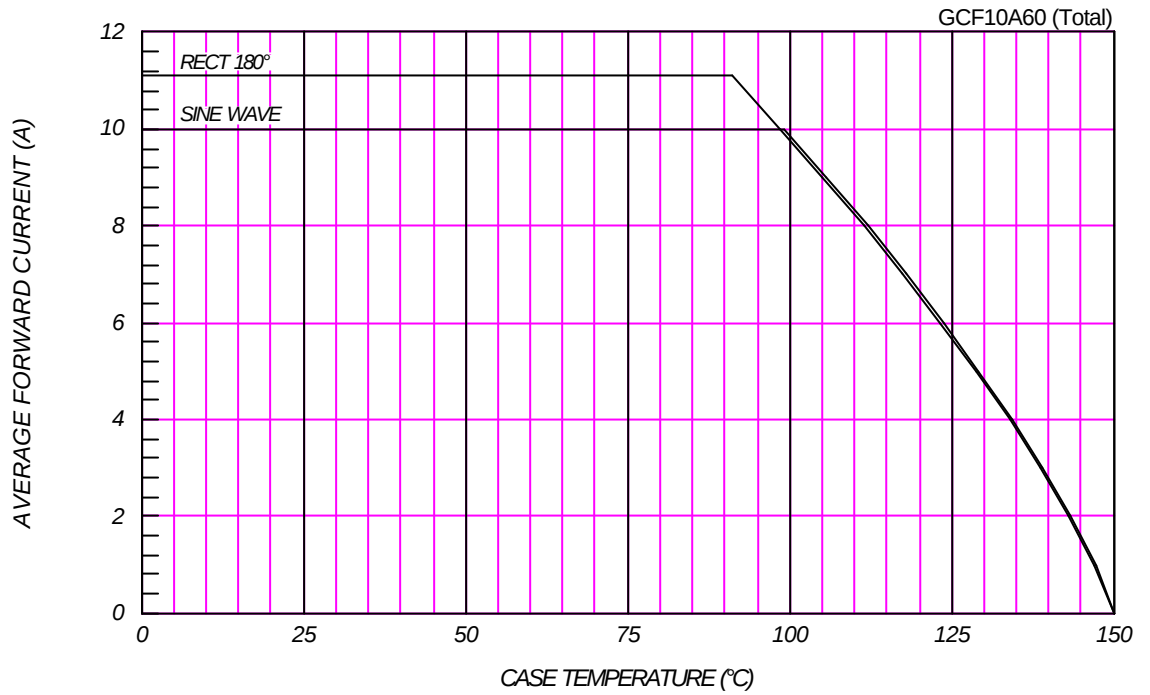


AVERAGE FORWARD POWER DISSIPATION





AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE



SURGE CURRENT RATINGS

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

