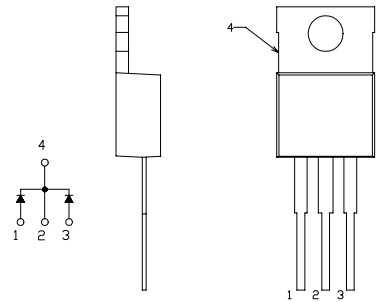


FRD Type : **GCF06A60**

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

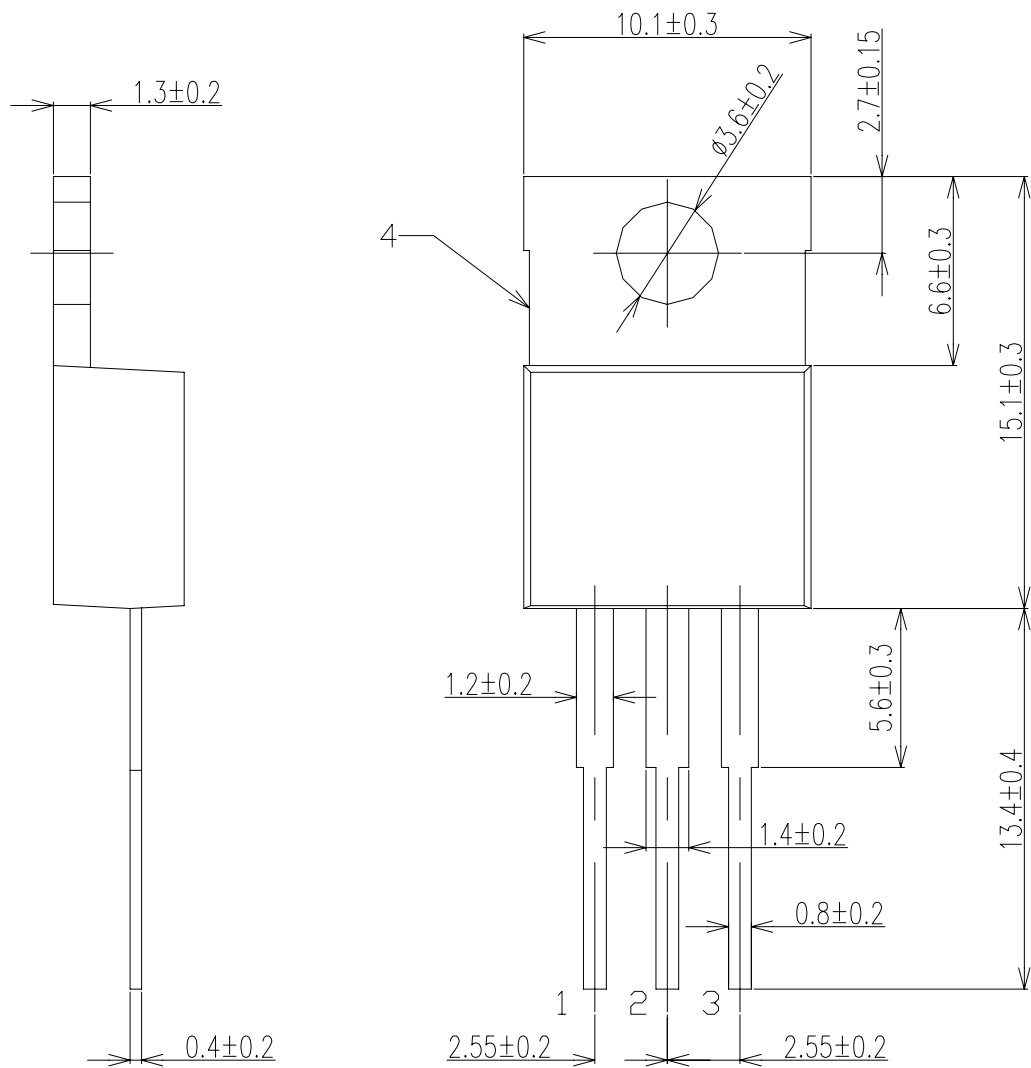
Approx Net Weight:1.9g

Rating	Symbol	GCF06A60			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	600			V
Average Rectified Output Current	I _O	6	Tc=110℃	50 Hz,Full Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	6.6			A
Surge Forward Current	I _{FSM}	60	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

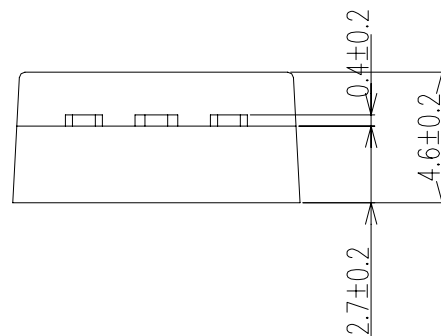
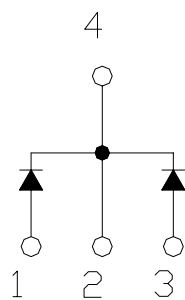
Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I _{RM}	T _j =25°C,V _{RM} =V _{RRM} per Arm	-	-	20	μA
Peak Forward Voltage	V _{FM}	T _j =25°C, I _{FM} =3A per Arm	-	-	1.7	V
Reverse Recovery Time	trr	I _{FM} = 3 A, -di/dt= 50 A/μs, Ta= 25°C	-	-	35	ns
Thermal Resistance	Rth(j-c)	Junction to Case	-	-	4	°C/W

GCF_A_ OUTLINE DRAWING (Dimensions in mm)



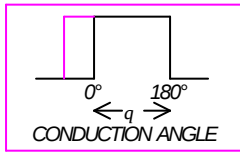
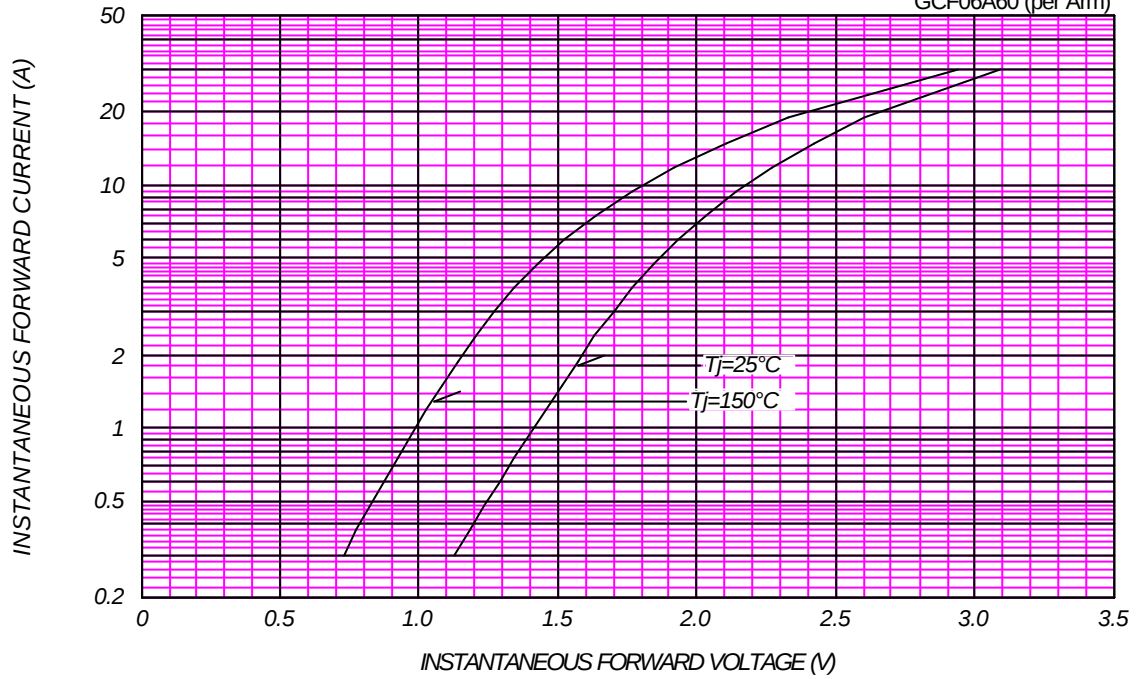
Center Tap



FORWARD CURRENT VS. VOLTAGE

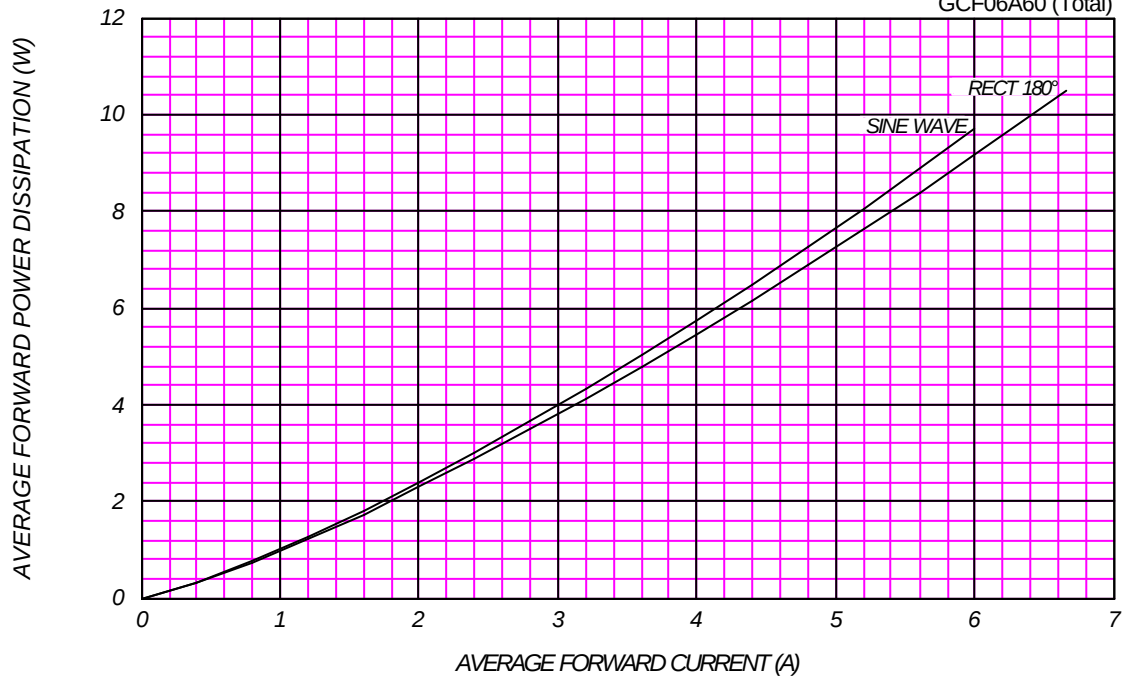
10ms Sine Wave Single Pulse

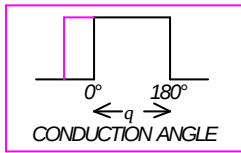
GCF06A60 (per Arm)



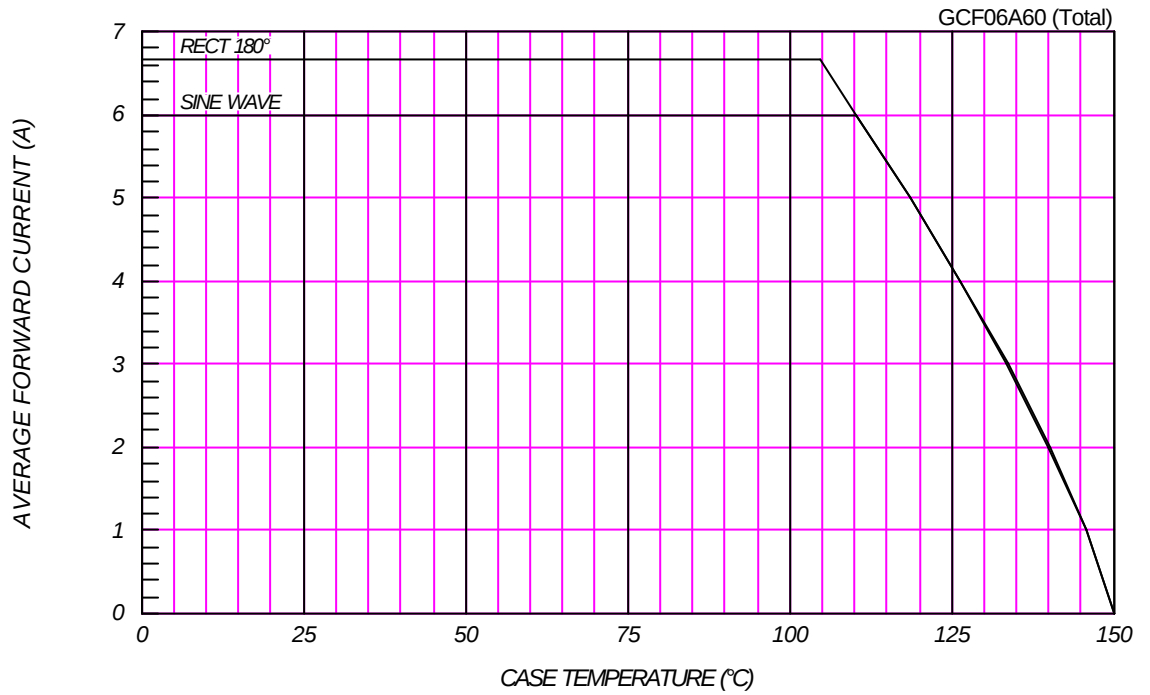
AVERAGE FORWARD POWER DISSIPATION

GCF06A60 (Total)





AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE



SURGE CURRENT RATINGS

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

