

6A Avg.

200 Volts

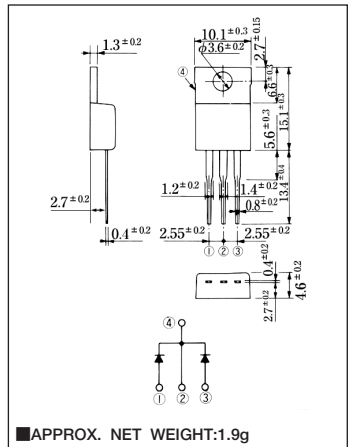
FRED

GCF06A20

最大定格 Maximum Ratings

Item	Symbol	Conditions	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	V_{RRM}	200	V
非くり返しピーク逆電圧 Non-repetitive Peak Reverse Voltage	V_{RSM}	220	V
平均整流電流 Average Rectified Forward Current	I_O	50Hz、正弦全波通電抵抗負荷 50Hz Full Sine Wave Resistive Load	6 A
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	6.7	A
サージ順電流 Surge Forward Current	I_{FSM}	60 50Hz正弦全波、1サイクル、非くり返し 50Hz Full Sine Wave, 1cycle, Non-repetitive	A
動作接合温度範囲 Operating Junction Temperature Range	T_{jw}	-40~+150	°C
保存温度範囲 Storage Temperature Range	T_{stg}	-40~+150	°C
締付トルク Mounting torque	F_{tor}	推奨値 Recommended Value	0.5 N·m

OUTLINE DRAWING(mm)



電氣的・熱的特性 Electrical/Thermal Characteristics

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	I_{RM}	$T_j = 25^\circ\text{C}$, $V_{RM} = V_{RRM}$, 一素子あたり Per Diode	—	—	10	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j = 25^\circ\text{C}$, $I_{FM} = 3\text{A}$, 一素子あたり Per Diode	—	—	0.98	V
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM} = 3\text{A}$, $-di/dt = 50\text{ A}/\mu\text{s}$, $T_j = 25^\circ\text{C}$	—	—	30	ns
熱抵抗 Thermal Resistance	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	4	°C/W

定格・特性曲線

FIG.1

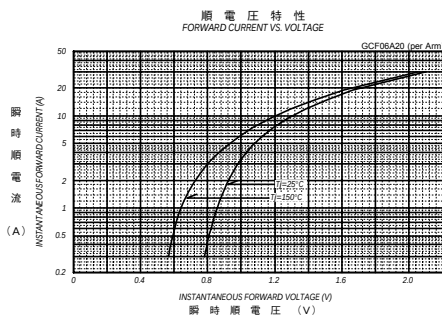


FIG.2

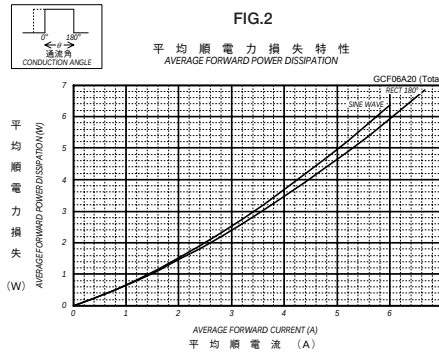


FIG.3

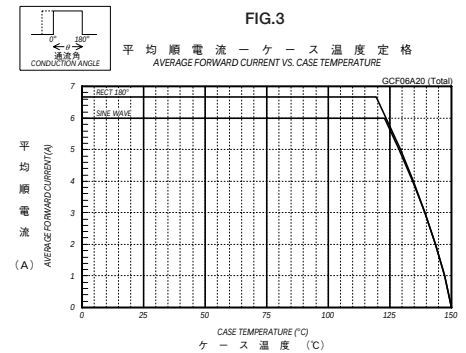


FIG.4

