

6A Avg.

200 Volts

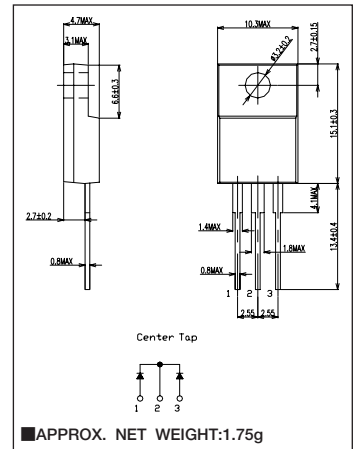
FRED

FCF06A20

■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	$T_c=123^{\circ}C$ 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	$^{\circ}C$
保存温度範囲 Storage Temperature Range	T_{stg}	-40~+150	$^{\circ}C$
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}	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$, 一素子あたり Per Diode	—	—	10	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=3A$, 一素子あたり Per Diode	—	—	0.98	V
逆回復時間 Reverse Recovery Time	trr	$I_{FM}=3A, -di/dt=50 A/\mu s, T_j=25^{\circ}C$	—	—	30	ns
熱抵抗 Thermal Resistance	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	4	$^{\circ}C/W$
	$R_{th(c-f)}$	ケース・フィン間 Case to Fin	—	—	1.5	$^{\circ}C/W$

■定格・特性曲線

FIG.1

順電圧特性
FORWARD CURRENT VS. VOLTAGE

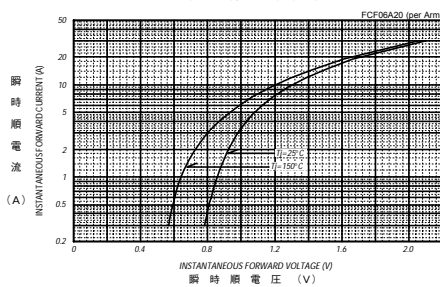


FIG.2

平均順電力損失特性
AVERAGE FORWARD POWER DISSIPATION

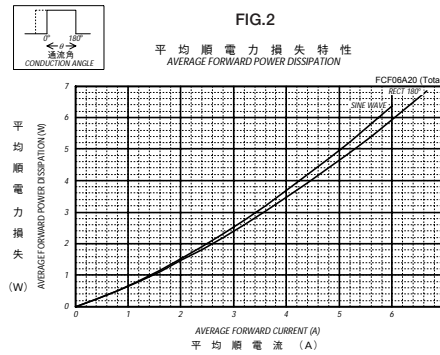


FIG.3

平均順電流-ケース温度定格
AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE

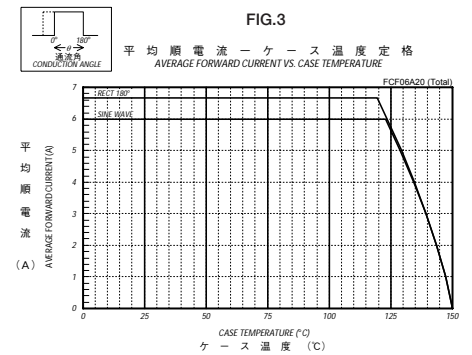


FIG.4

サージ順電流定格
SURGE CURRENT RATINGS

1=50Hz Sine Wave, Non-Repetitive, No Load

