

10A Avg

200 Volts

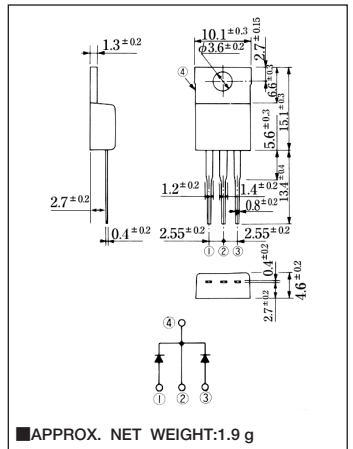
FRED

GCF10A20

■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	$T_c=117^\circ\text{C}$ 10 A
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	11.1	A
サージ順電流 Surge Forward Current	I_{FSM}	80 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	$^\circ\text{C}$
保存温度範囲 Storage Temperature Range	T_{stg}	-40~+150	$^\circ\text{C}$
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	—	—	20	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^\circ\text{C}$, $I_{FM}=5\text{A}$, 一素子あたり Per Diode	—	—	0.98	V
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM}=5\text{A}$, $-di/dt=50\text{A}/\mu\text{s}$, $T_j=25^\circ\text{C}$	—	—	35	ns
熱抵抗 Thermal Resistance	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	3	$^\circ\text{C}/\text{W}$

■定格・特性曲線

