

3A Avg.

200 Volts

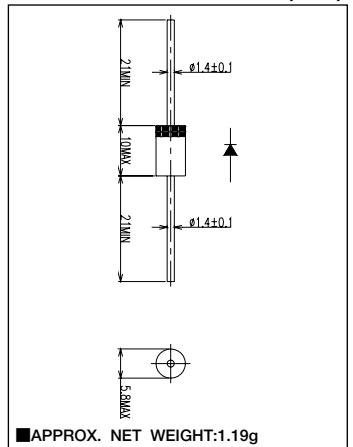
FRED

31DF2

■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、正弦半波通電抵抗負荷 50Hz Half Sine Wave Resistive Load	$T_a=40^{\circ}\text{C}^{*1}$ 1.57 A
			$T_a=40^{\circ}\text{C}^{*2}$ 3.0 A
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	4.71	A
サーージ順電流 Surge Forward Current	I_{FSM}	60 50Hz正弦半波、1サイクル、非くり返し 50Hz Half Sine Wave, 1cycle, Non-repetitive	A
動作接合温度範囲 Operating Junction Temperature Range	T_{jw}	$-40\sim+150$	$^{\circ}\text{C}$
保存温度範囲 Storage Temperature Range	T_{stg}	$-40\sim+150$	$^{\circ}\text{C}$

■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}	$T_j=25^{\circ}\text{C}$, $V_{RM}=V_{RRM}$	—	—	10	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}\text{C}$, $I_{FM}=3\text{A}$	—	—	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	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	80	$^{\circ}\text{C}/\text{W}$
		単体フィン無し ^{*1} 銅版フィン付き ^{*2}	—	—	34	$^{\circ}\text{C}/\text{W}$

*1: 単体フィン無し / Without Fin or P.C. Board

*2: 銅版フィン付き(両側) / With Cu Fin (20×20×1t, L=5mm, Both Sides)

■定格・特性曲線

