

3A Avg.

100 Volts

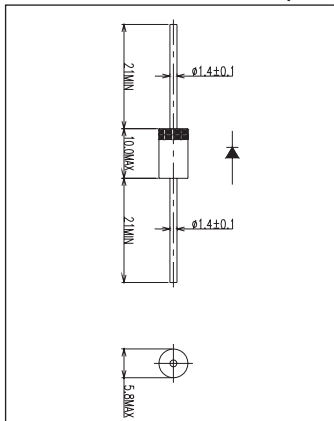
FRED

30PRA10

■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}	100	V
平均整流電流 Average Rectified Forward Current	I_O	$T_l=124^{\circ}C$ $T_l=$ Lead Temperature	3.0
		$T_a=34^{\circ}C^*$	1.6
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	4.71	A
サージ順電流 Surge Forward Current	I_{FSM}	100	A
動作接合温度範囲 Operating Junction Temperature Range	T_{jw}	50Hz正弦半波, 1サイクル, 非くり返し 50Hz Half Sine Wave, 1cycle, Non-repetitive	$-40 \sim +150$
保存温度範囲 Storage Temperature Range	T_{stg}		$-40 \sim +150$

■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:1.19g

■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}	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$	—	—	10	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=3A$	—	—	1.07	V
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM}=3A, -di/dt=50 A/\mu s, T_j=25^{\circ}C$	—	—	90	ns
熱抵抗 Thermal Resistance	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	8	$^{\circ}C/W$
	$R_{th(j-a)}$	接合部・周囲間* Junction to Ambient*	—	—	80	$^{\circ}C/W$

*単体フィン無し / Without Fin or P.C. Board

■定格・特性曲線

