

3A Avg.

600 Volts

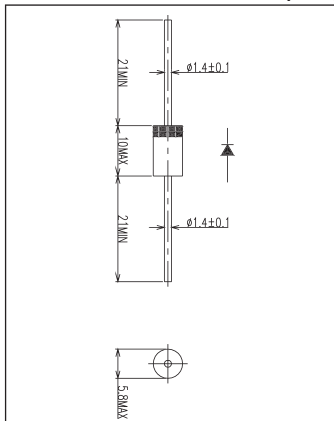
FRED

30PFD60

■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}	600		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	$T_a=25^{\circ}C^*$ $T_l=113^{\circ}C$ $T_l=Lead\ Temperature$	1.3 3.0 A A
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}	45A	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~+150		$^{\circ}C$
保存温度範囲 Storage Temperature Range	T_{stg}	-40~+150		$^{\circ}C$

■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}	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$	—	—	20	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=3A$	—	—	1.45	V
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM}=3A, -di/dt=50\ A/\mu s, T_j=25^{\circ}C$	—	—	45	ns
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	80	$^{\circ}C/W$
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	8	$^{\circ}C/W$

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

■定格・特性曲線

