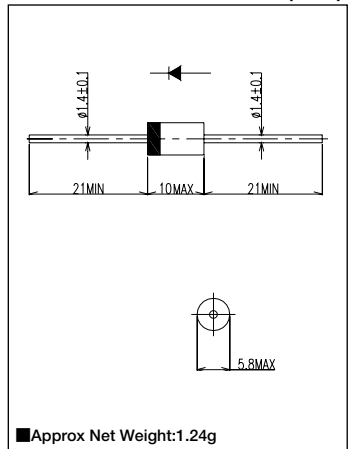


# 3A Avg. 100 Volts Standard Recovery Diode 30PDA10

## ■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 Output Current	$I_O$	50Hz 正弦半波抵抗負荷 50Hz half sine wave Resistance load	$T_a=31^\circ\text{C}^{*1}$ 1.6 A
			$T_l=124^\circ\text{C}$ $T_l$ : Lead Temperature 3.0 A
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	4.71	A
サージ順電流 Surge Forward Current	$I_{FSM}$	100 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	$^\circ\text{C}$
保存温度範囲 Storage Temperature Range	$T_{stg}$	-40~+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	$\mu\text{A}$
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^\circ\text{C}$ , $I_{FM}=3\text{A}$	—	—	1.0	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間*1 Junction to Ambient	—	—	80	$^\circ\text{C}/\text{W}$
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	8	$^\circ\text{C}/\text{W}$

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

## ■定格・特性曲線

