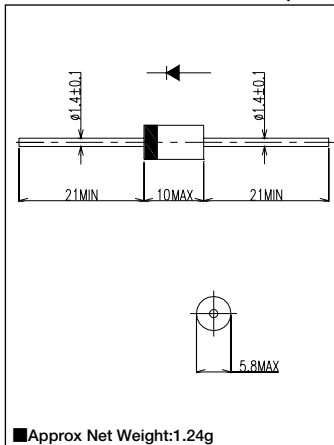


# 3A Avg. 600 Volts Standard Recovery Diode 30PDA60

## ■最大定格 Maximum Ratings

| Item   | Symbol       | Conditions  | Unit       |
|--|--------------|---|------------|
| くり返しピーク逆電圧<br>Repetitive Peak Reverse Voltage    | $V_{RRM}$    | 600   | V          |
| 平均整流電流<br>Average Rectified Output Current       | $I_O$        | 50Hz 正弦半波抵抗負荷<br>50Hz half sine wave Resistance load                      | 1.6<br>3.0 |
| 実効順電流<br>R.M.S. Forward Current                  | $I_{F(RMS)}$ |   | 4.71       |
| サージ順電流<br>Surge Forward Current                  | $I_{FSM}$    | 100 50Hz正弦半波, 1サイクル, 非くり返し<br>50Hz Half Sine Wave, 1cycle, Non-repetitive | A          |
| 動作接合温度範囲<br>Operating Junction Temperature Range | $T_{jw}$     |   | -40~+150   |
| 保存温度範囲<br>Storage Temperature Range              | $T_{stg}$    |   | -40~+150   |

## ■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<br>Peak Reverse Current | $I_{RM}$       | $T_j=25^{\circ}C, V_{RM}=V_{RRM}$ | —    | —    | 10   | $\mu A$       |
| ピーク順電圧<br>Peak Forward Voltage | $V_{FM}$       | $T_j=25^{\circ}C, I_{FM}=3A$      | —    | —    | 1.0  | V             |
| 熱抵抗<br>Thermal Resistance      | $R_{th(j-a)}$  | 接合部・周囲間*1<br>Junction to Ambient  | —    | —    | 80   | $^{\circ}C/W$ |
|                                | $R_{th(j-cl)}$ | 接合部・リード間<br>Junction to Lead      | —    | —    | 8    | $^{\circ}C/W$ |

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

## ■定格・特性曲線

