

6A Avg.

600 Volts

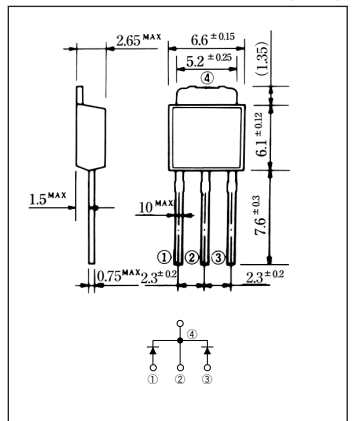
FRED

ECU06B60

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、正弦全波通電抵抗負荷 50Hz Full Sine Wave Resistive Load	$T_c=77^\circ\text{C}$ Tc: Case Temperature	6.0	A
			$T_a=25^\circ\text{C}^*$	1.1	A
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	6.66		A	
サージ順電流 Surge Forward Current	$I_{FSM}$	35 50Hz正弦全波、1サイクル、非くり返し 50Hz Full 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)



APPROX. NET WEIGHT:0.35 g

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	$I_{RM}$	$T_j=25^\circ\text{C}$ , $V_{RM}=V_{RRM}$	—	—	20	$\mu\text{A}$
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^\circ\text{C}$ , $I_{FM}=3\text{A}$	—	2.2	2.7	V
逆回復時間 Reverse Recovery Time	trr	$I_{FM}=3\text{A}$ , $-di/dt=50\text{A}/\mu\text{s}$ , $T_j=25^\circ\text{C}$	—	17	27	ns
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	80	$^\circ\text{C}/\text{W}$
	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	5	$^\circ\text{C}/\text{W}$

\* Soldering Lands = 2 × 3.5 mm Both Sides

定格・特性曲線

