

3A Avg.

60 Volts

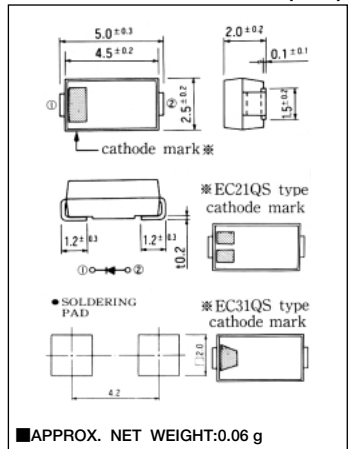
SBD

EC31QS06

■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}	60	V
平均整流電流 Average Rectified Forward Current	I_O	50Hz, 正半波通電抵抗負荷 50Hz Half Sine Wave Resistive Load	1.0 3.0
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	$T_a=36^{\circ}C^*$ $T_l=64^{\circ}C$ T:lead Temperature	A
サージ順電流 Surge Forward Current	I_{FSM}	4.71	A
動作接合温度範囲 Operating Junction Temperature Range	T_{jw}	50 50Hz正半波, 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)



■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}	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$	—	—	3	mA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=3A$	—	—	0.61	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	108	$^{\circ}C/W$
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	23	$^{\circ}C/W$

*アルミナ基板実装/Alumina Substrate mounted (Soldering Lands=2×2mm, Both Sides)

■定格・特性曲線

