

3A Avg.

60 Volts

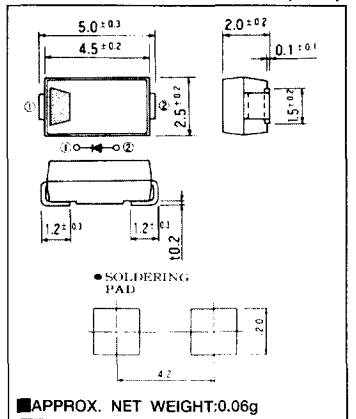
SBD

EC31QS06

■最大定格 MAXIMUM RATINGS

Rating	Type	Symbol	EC31QS06	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 Output Current	Alumina Substrate mounted *	I_O	1.0 (商用周波数、正弦波180度通電 $T_a=36^\circ\text{C}$) Half Sine Wave, Resistive Load	A
	-		3.0 (商用周波数、正弦波180度通電 $T_l=64^\circ\text{C}$) Half Sine Wave, Resistive Load (T: Lead Temperature)	A
実効順電流 RMS Forward Current		$I_{F(RMS)}$	4.71	A
サージ順電流 Surge Forward Current		I_{FSM}	50 (50Hz单相正弦波1サイクル非くり返し) 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)



■電気的特性 ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	I_{RM}	$V_{RM}=V_{RRM}$ $T_j=25^\circ\text{C}$	-	-	3	mA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$I_{FM}=3\text{A}$ $T_j=25^\circ\text{C}$	-	-	0.61	V
熱抵抗 Thermal Resistance	接合部-周囲間 (Junction to Ambient)	Alumina Substrate mounted *	-	-	108	$^\circ\text{C}/\text{W}$
	接合部-リード間 (Junction to Lead)		-	-	23	$^\circ\text{C}/\text{W}$

* Soldering Lands = 2×2 mm, Both Sides

■定格・特性曲線

FIG.1

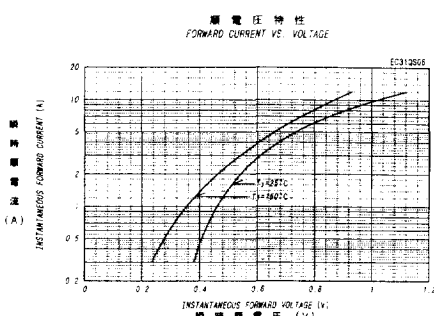


FIG.4

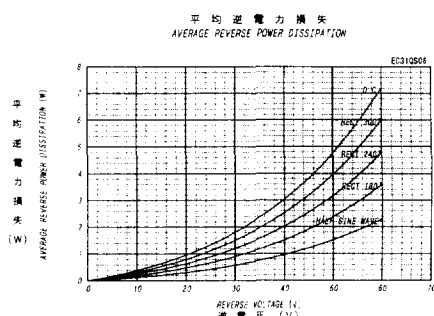


FIG.7

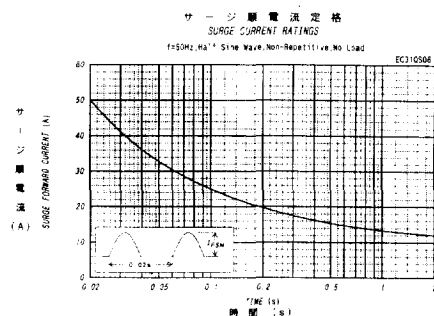


FIG.2

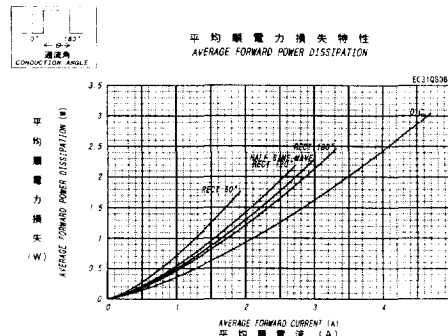


FIG.5

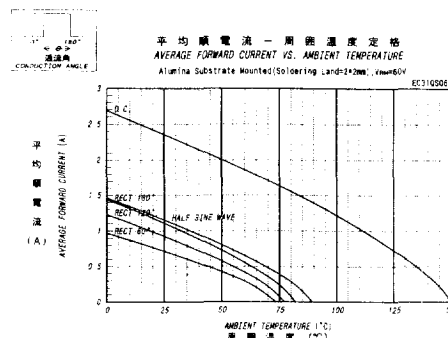


FIG.8

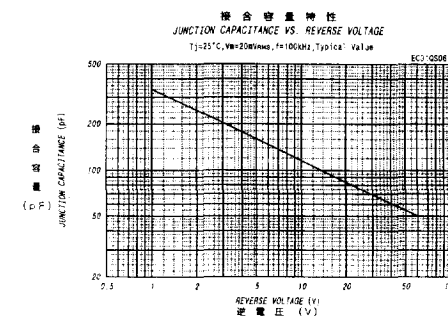


FIG.3

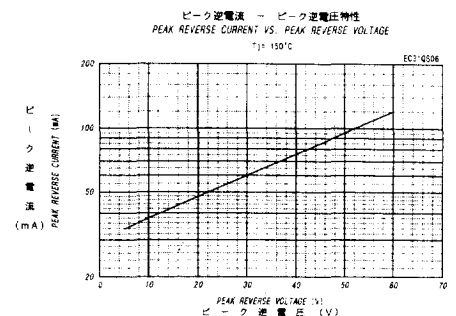


FIG.6

