

3A Avg.

40 Volts

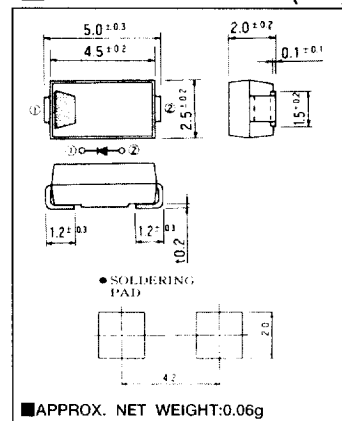
SBD

EC31QS04

■最大定格 MAXIMUM RATINGS

Rating	Symbol	Type	EC31QS04	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$		40	V
平均整流電流 Average Rectified Output Current	—	$I_O$	1.3 (商周波数、正弦波180度通電 $T_a=36^{\circ}C$ ) Half Sine Wave, Resistive Load	A
			3.0 (商周波数、正弦波180度通電 $T_l=81^{\circ}C$ ) Half Sine Wave, Resistive Load ( $T_l$ : 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	$I_{FSM}$		60 (50Hz単相正弦波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	$^{\circ}C$
保存温度範囲 Storage Temperature Range	$T_{stg}$		-40~+150	$^{\circ}C$

■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	$I_{RM}$	$V_{RM}=V_{RRM}$ $T_j=25^{\circ}C$	—	—	3	mA
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$I_{FM}=3A$ $T_j=25^{\circ}C$	—	—	0.55	V
熱抵抗 Thermal Resistance	接合部-周囲間 (Junction to Ambient)	Alumina Substrate mounted *	—	—	108	$^{\circ}C/W$
	接合部-リード間 (Junction to Lead)	—	—	—	23	$^{\circ}C/W$

\* Soldering Lands = 2×2 mm, Both Sides

■定格・特性曲線

FIG.1

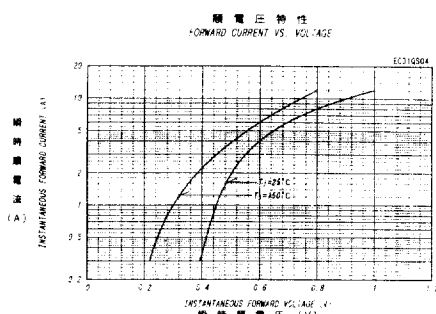


FIG.4

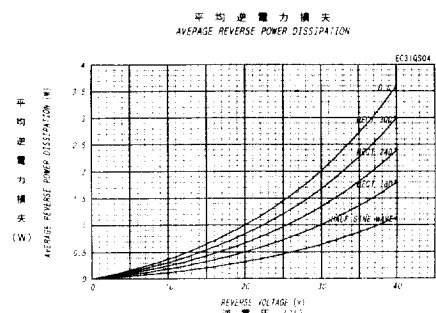


FIG.7

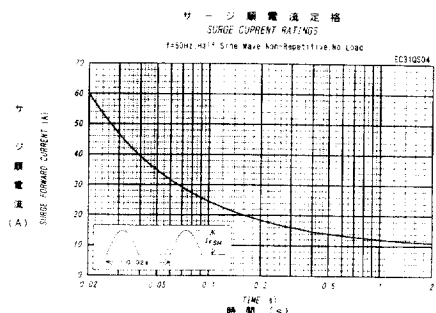


FIG.2

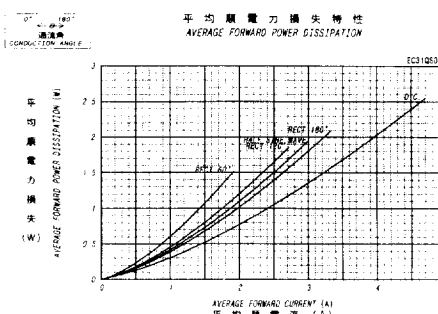


FIG.5

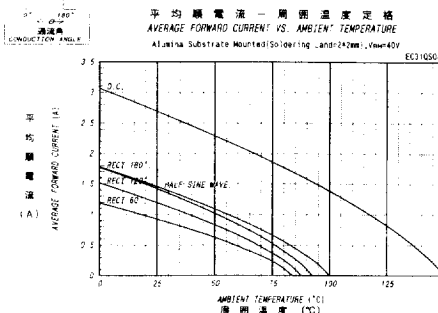


FIG.8

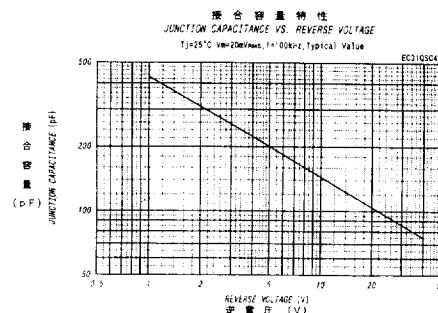


FIG.3

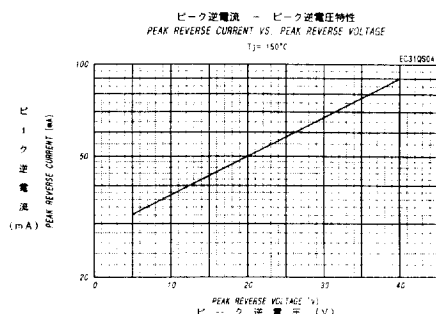


FIG.6

