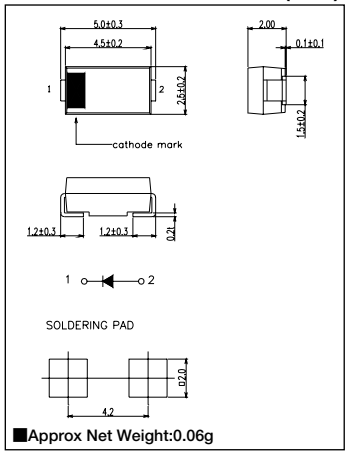
1A Avg. 400 Volts Standard Recovery Diode EC10DA40

■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}	400			V
非くり返しピーク逆電圧 Non-repetitive Peak Reverse Voltage	V_{RSM}	550			V
平均整流電流 Average Rectified Forward Current	I_O	50Hz、正弦半波通電抵抗負荷 50Hz Half Sine Wave Resistive Load	Ta＝25℃ *1	0.76	A
			Ta＝29℃ *2	1.0	A
実効順電流 R.M.S. Forward Current	$I_{F(RMS)}$	1.57			A
サージ順電流 Surge Forward Current	I_{FSM}	25 50Hz正弦半波，1サイクル，非くり返し 50Hz Half Sine Wave,1cycle, Non-repetitive			A
動作接合温度範囲 Operating Junction Temperature Range	T_{jw}	−40～＋150			℃
保存温度範囲 Storage Temperature Range	T_{stg}	−40～＋150			℃

■OUTLINE DRAWING(mm)



■Approx Net Weight:0.06g

■電気的・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℃, V_{RM}＝V_{RRM}		—	—	10	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	T_j＝25℃, I_{FM}＝1A		—	—	1.05	V
静電気耐量 Electrostatic Discharge	—	T_j＝25℃,C＝150pF, R＝150Ω *3		—	25	—	kV
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 *1 Junction to Ambient	＊1	—	—	157	℃/W
			＊2	—	—	108	℃/W

＊1：プリント基板実装 /Glass Epoxy Substrate mounted(Soldering Land＝1×1mm, Both Sides)
＊2：アルミナ基板実装 /Alumina Substrate mounted (Soidering Lands= 2 × 2 mm , Both Sides)
＊3：ノイズ研究所殿製　ESS−630型使用、接触法 /Mesured by ESS−630S of Noise Laboratory

■定格・特性曲線

FIG.1

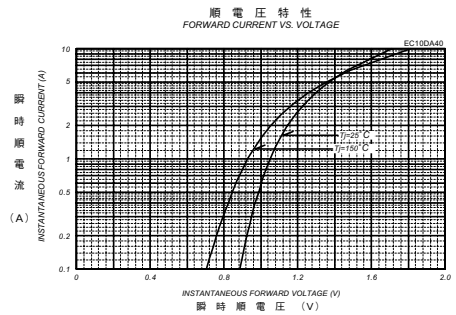


FIG.2

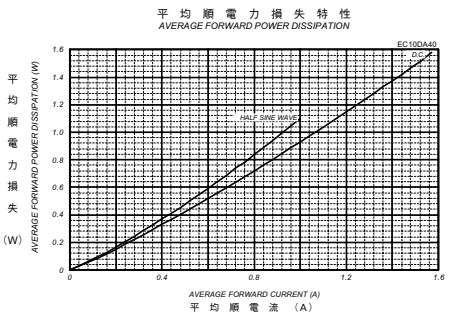


FIG.3

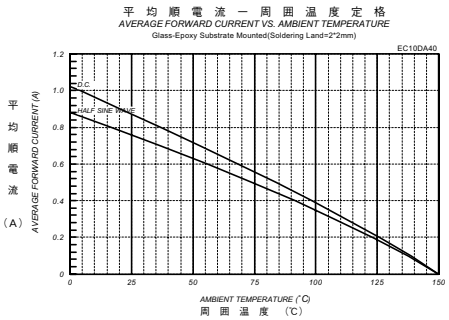


FIG.4

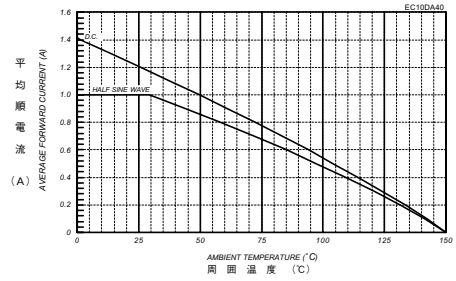


FIG.5