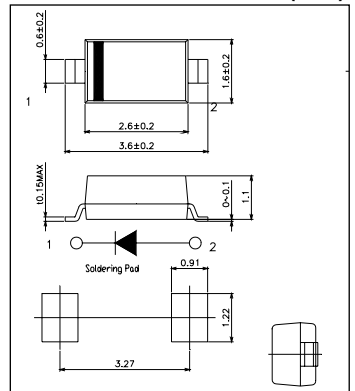


0.5A Avg. 400 Volts Standard Recovery Diode EP05DA40

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	0.38 0.5
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	0.785	A
サージ順電流 Surge Forward Current	I_{FSM}	8 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	°C
保存温度範囲 Storage Temperature Range	T_{stg}	-40~+150	°C

OUTLINE DRAWING(mm)



■Approx Net Weight:0.011g

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}	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$	—	—	10	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=0.5A$	—	—	1.1	V
静電気耐量 Electrostatic Discharge	—	$T_j=25^{\circ}C, C=150pF, R=150\Omega$ *2	—	25	—	kV
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 *1 Junction to Ambient	—	—	300	°C/W
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	70	°C/W

*1: プリント基板実装 / Glass Epoxy Substrate mounted (Soldering Land=1×1mm, Both Sides)

*2: ノイズ研究所製製 ESS-630型使用、接触法 / Mesured by ESS-630S of Noise Laboratory

定格・特性曲線

FIG.1

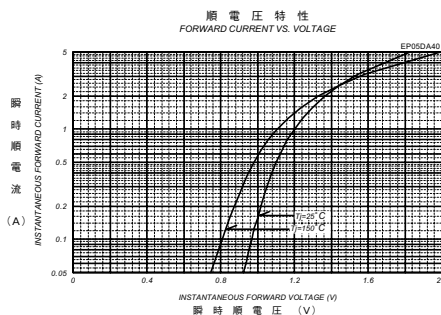


FIG.2

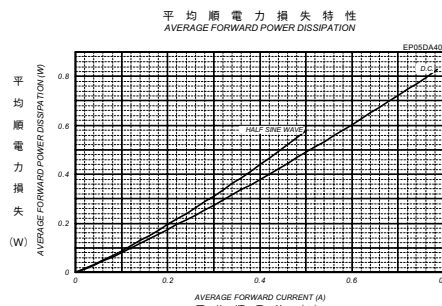


FIG.3

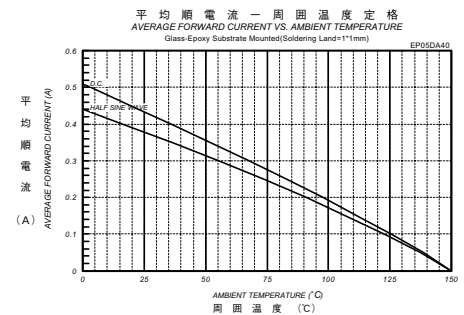


FIG.4

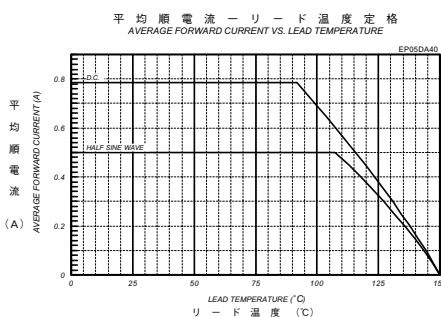


FIG.5

