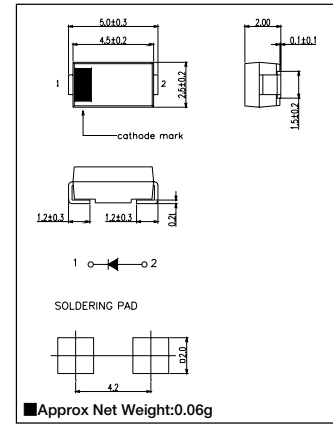


1A Avg. 400 Volts Standard Recovery Diode EC10DA40

■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	$T_a=25^\circ\text{C}^{*1}$ 0.76 $T_a=29^\circ\text{C}^{*2}$ 1.0	A
			1.57	A
実効順電流 R.M.S. Forward Current	$I_{F(RMS)}$		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	$^\circ\text{C}$	
保存温度範囲 Storage Temperature Range	T_{stg}	-40~+150	$^\circ\text{C}$	

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

*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 (Soldering Lands=2×2mm, Both Sides)
 *3: ノイズ研究所製 ESS-630型使用、接触法 / Measured by ESS-630S of Noise Laboratory

■定格・特性曲線

