

1A Avg.

400 Volts

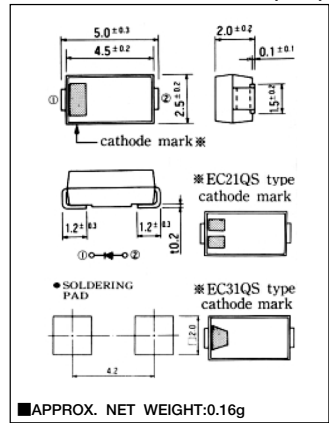
FRED

EC10UA40

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
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	$T_I = 114^\circ\text{C}$ 1.0 A
			$T_a = 28^\circ\text{C}^{*1}$ 0.8 A
実効順電流 R.M.S. Forward Current	$I_{F(RMS)}$	1.51	A
サージ順電流 Surge Forward Current	I_{FSM}	20 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)



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}	$T_j = 25^\circ\text{C}, V_{RM} = V_{RRM}$	—	—	20	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j = 25^\circ\text{C}, I_{FM} = 1\text{A}$	—	1.32	1.50	V
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM} = 1\text{A}, -di/dt = 50\text{A}/\mu\text{s}, T_j = 25^\circ\text{C}$	—	13	25	ns
熱抵抗 Thermal Resistance	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	23	°C/W
	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	アルミナ基板実装*1		108	°C/W

*1: アルミナ基板実装/Alumina Substrate mounted (Soldering Lands= 2 × 2 mm, Both Sides)

定格・特性曲線

