

4A Avg.

100 Volts

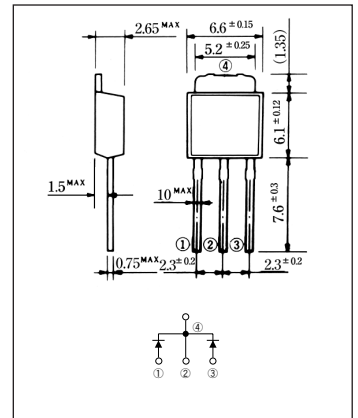
SBD

EA40QC10

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}	100	V
平均整流電流 Average Rectified Forward Current	I_O	50Hz、正弦全波通電抵抗負荷 50Hz Full Sine Wave Resistive Load	$T_a=35^\circ\text{C}$ 1.6 A
			$T_c=129^\circ\text{C}$ 4.0 A
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	4.44	A
サージ順電流 Surge Forward Current	I_{FSM}	40 50Hz正弦全波, 1サイクル, 非くり返し 50Hz Full 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)



APPROX. NET WEIGHT:0.35g

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}	$T_j=25^\circ\text{C}$, $V_{RM}=V_{RRM}$, 一素子あたり Per Diode	—	—	1	mA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^\circ\text{C}$, $I_{FM}=2\text{A}$, 一素子あたり Per Diode	—	—	0.85	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	80	$^\circ\text{C/W}$
	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	5.5	$^\circ\text{C/W}$

* Print Land=20×20mm

定格・特性曲線

