

3A Avg.

30 Volts

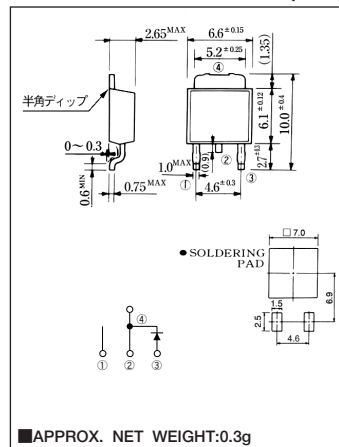
SBD

EA30QS03L-F

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}	30	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	<table border="1"> <tr> <td>$T_a=32^{\circ}C$ *1</td> <td>1.7</td> <td>A</td> </tr> <tr> <td>$T_a=126^{\circ}C$</td> <td>3.0</td> <td>A</td> </tr> </table>	$T_a=32^{\circ}C$ *1	1.7	A	$T_a=126^{\circ}C$	3.0	A
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$T_a=126^{\circ}C$	3.0	A							
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	4.71	A						
サージ順電流 Surge Forward Current	I_{FSM}	45A 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	$^{\circ}C$						
保存温度範囲 Storage Temperature Range	T_{stg}	-40~+150	$^{\circ}C$						

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}	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$	—	—	3	mA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=3A$	—	—	0.45	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	80	$^{\circ}C/W$
	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	6	$^{\circ}C/W$

*1: P.C. Board mounted Print Land=20×20mm

定格・特性曲線

