

3A Avg.

30 Volts

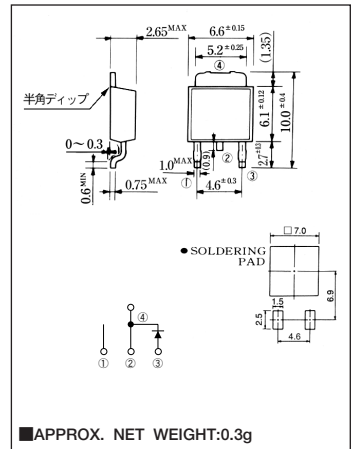
SBD

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	$T_a=32^{\circ}C^{*1}$ 1.7 $T_a=126^{\circ}C$ 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

