

3A Avg.

45 Volts

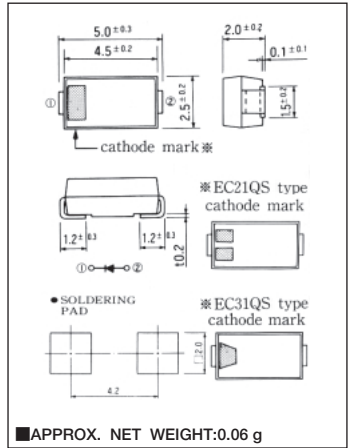
SBD

EC30QSA045

■最大定格 Maximum Ratings

Item	Symbol	Conditions		Unit	
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$	45		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	$T_a=25^\circ\text{C}^*$ $V_{RM}=20\text{V}$	1.9	A
			$T_l=102^\circ\text{C}$ $V_{RM}=20\text{V}$ Tl:lead Temperature	3.0	A
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	4.71		A	
サージ順電流 Surge Forward Current	$I_{FSM}$	60	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	$I_{RM}$	$T_j=25^\circ\text{C}$ , $V_{RM}=45\text{V}$	—	—	300	$\mu\text{A}$
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^\circ\text{C}$ , $I_{FM}=3\text{A}$	—	—	0.55	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	108	$^\circ\text{C}/\text{W}$
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	23	$^\circ\text{C}/\text{W}$

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

■定格・特性曲線

