

2A Avg.

45 Volts

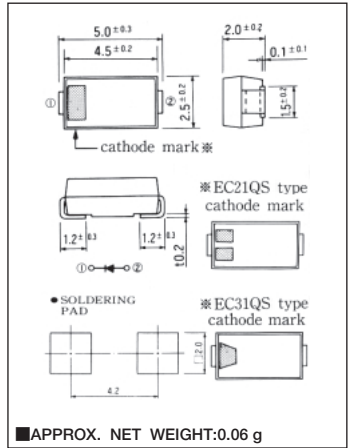
SBD

EC20QSA045

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	$T_a=30^{\circ}C^*$ $V_{RM}=20V$ 1.7 A
			$T_l=118^{\circ}C$ $V_{RM}=20V$ 2.0 A
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	3.14	A
サージ順電流 Surge Forward Current	I_{FSM}	50 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}	$T_j=25^{\circ}C, V_{RM}=45V$	—	—	200	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=2A$	—	—	0.55	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	108	$^{\circ}C/W$
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	23	$^{\circ}C/W$

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

定格・特性曲線

