

5A Avg.

45 Volts

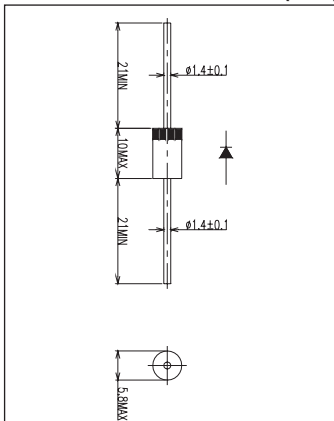
SBD

50PQSA045

■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	$T_J=121^\circ\text{C}$ $V_{RM}=20\text{V}$ (T_J =Lead Temperature)	5.0	A
			$T_a=37^\circ\text{C}^{*1}$ $V_{RM}=20\text{V}$	2.5	A
実効順電流 R.M.S. Forward Current	$I_{F(RMS)}$	7.85		A	
サージ順電流 Surge Forward Current	I_{FSM}	150 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)



■APPROX. NET WEIGHT:1.18g

■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}	$T_J=25^\circ\text{C}, V_{RM}=45\text{V}$	—	—	350	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_J=25^\circ\text{C}, I_{FM}=5\text{A}$	—	—	0.55	V
熱抵抗 Thermal Resistance	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	8	$^\circ\text{C}/\text{W}$
	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	*1 (単体フィン無し)		80	$^\circ\text{C}/\text{W}$

*1 単体フィン無し / Without Fin or P.C. Board

■定格・特性曲線

