

5A Avg.

120 Volts

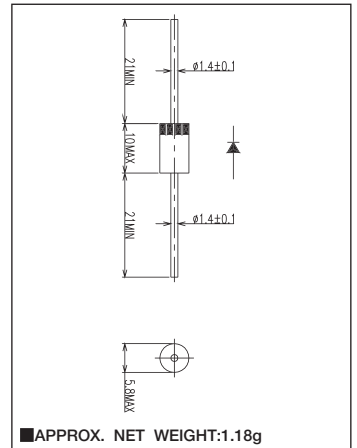
SBD

50PHSA12

■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}	120	V
平均整流電流 Average Rectified Forward Current	I_O	$T_a=28^{\circ}C^{*1}$ $V_{RM}=60V$	2.0
		$T_l=114^{\circ}C$ $V_{RM}=60V$ (T_l :Lead Temperature)	5.0
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}	120 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}	$T_j=25^{\circ}C, V_{RM}=120V$	—	—	100	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=5A$	—	—	0.86	V
熱抵抗 Thermal Resistance	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	8	$^{\circ}C/W$
	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	80	$^{\circ}C/W$

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

■定格・特性曲線

