

1A Avg.

100 Volts

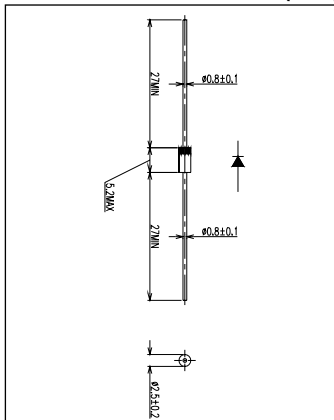
SBD

11DQ10

■最大定格 Maximum Ratings

Item	Symbol	Conditions	Unit						
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$	100	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	<table border="1"> <tr> <td><math>T_a=35^{\circ}C^{*1}</math></td> <td>1.0</td> <td>A</td> </tr> <tr> <td><math>T_a=78^{\circ}C^{*2}</math></td> <td>1.0</td> <td>A</td> </tr> </table>	$T_a=35^{\circ}C^{*1}$	1.0	A	$T_a=78^{\circ}C^{*2}$	1.0	A
$T_a=35^{\circ}C^{*1}$	1.0	A							
$T_a=78^{\circ}C^{*2}$	1.0	A							
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	1.57	A						
サージ順電流 Surge Forward Current	$I_{FSM}$	40 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	$I_{RM}$	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$	—	—	0.5	mA
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^{\circ}C, I_{FM}=1A$	—	—	0.85	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	130	$^{\circ}C/W$
			—	—	81	$^{\circ}C/W$

\*1: 単体フィン無し / Without Fin or P.C. Board  
\*2: プリント基板実装 / P.C. Board Mounted(Print Lands=5×5 mm, Both Sides)

■定格・特性曲線

