

5A Avg.

30 Volts

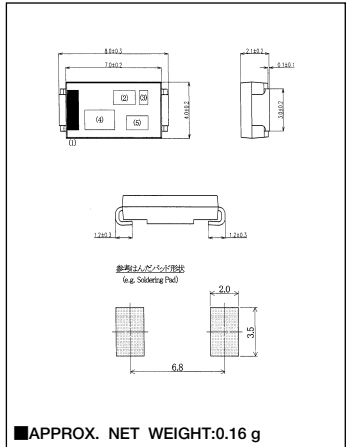
SBD

NSH05A03

■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}	30	V
平均整流電流 Average Rectified Output Current	I_O	$T_l=106^{\circ}\text{C}, V_{RM}=15\text{V}$ (T_l : Lead Temperature)	5.0
		50Hz正弦半波抵抗負荷 Half Sine Wave, Resistive Load	$T_a=25^{\circ}\text{C}, V_{RM}=15\text{V}^*$
実効順電流 RMS Forward Current	$I_F(\text{RMS})$	7.85	A
サージ順電流 Surge Forward Current	I_{FSM}	100 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}	$T_j=25^{\circ}\text{C}, V_{RM}=V_{RRM}$	—	—	1	mA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}\text{C}, I_{FM}=5\text{A}$	—	—	0.57	V
熱抵抗 Thermal Resistance	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	13	$^{\circ}\text{C}/\text{W}$
	$R_{th(c-a)}$	接合部・周囲間* Junction to Ambient	—	—	89	$^{\circ}\text{C}/\text{W}$

* : アルミナ基板実装 / Alumina Substrate mounted (Soldering Lands= 2 × 3.5 mm , Both Sides)

■定格・特性曲線

