

3A Avg.

30 Volts

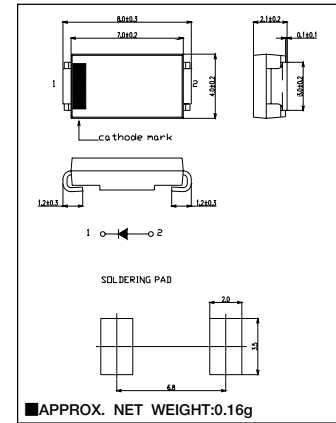
SBD

NSH03A03L

■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
くり返しピークサージ逆電圧 Repetitive Peak Surge Reverse Voltage	V_{RRM}	35 パルス幅1 μ s以下、デューティ1/50以下 pulse width $\leq 1\mu$ s duty $\leq 1/50$	V
平均整流電流 Average Rectified Forward Current	I_O	50Hz、正弦波通電抵抗負荷 50Hz Half Sine Wave Resistive Load	Ta=25 $^{\circ}$ C 2.3 A
		Alumina Substrate mounted*	Tl=123 $^{\circ}$ C 3.0 A
実効順電流 R.M.S. Forward Current	$I_{F(RMS)}$	4.71	A
サージ順電流 Surge Forward Current	I_{FSM}	80 50Hz正弦波、1サイクル、非くり返し 50Hz Half Sine Wave, Cycle, 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)



■電気的・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}	Tj=25 $^{\circ}$ C, V _{RM} =V _{RRM}	—	—	500	μ A
ピーク順電圧 Peak Forward Voltage	V _{FM}	Tj=25 $^{\circ}$ C, I _{FM} =3A	—	—	0.53	V
熱抵抗 Thermal Resistance	R _{th(j-a)}	接合部・周囲間 Junction to Ambient	—	—	89	$^{\circ}$ C/W
	R _{th(j-l)}	接合部・リード間 Junction to Lead	—	—	13	$^{\circ}$ C/W

* Soldering Lands=2 \times 3.5mm, Both Sides

■定格・特性曲線

