

10A Avg.

45 Volts

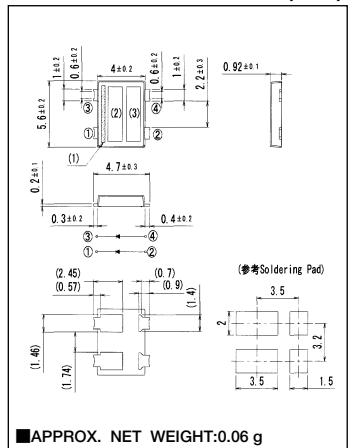
SBD

NB10QSA045

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 *1	3.5
		$T_a=27^{\circ}C^{*2}$ $V_{RM}=20V$ $T_l=81^{\circ}C$ T:lead Temperature $V_{RM}=20V$	10
実効順電流 R.M.S. Forward Current	$I_F(RMS)$	11.1	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	$^{\circ}C$
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}	$T_j=25^{\circ}C, V_{RM}=45V$, 一素子あたり Per Diode	—	—	350	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=5A$, 一素子あたり Per Diode	—	—	0.57	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	60	$^{\circ}C/W$
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	7	$^{\circ}C/W$

*1 カソードコモン動作による/Common Cathode Operation

*2 ガラエポ基板実装/Glass-Epoxy Substrate mounted (Soldering Lands= 2.0 × 1.5 mm, 2.0 × 3.5 mm, Both Sides)

定格・特性曲線

