

3A Avg.

600 Volts

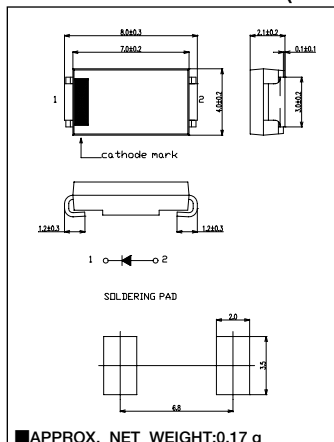
FRED

NSU03B60

■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}	600	V
平均整流電流 Average Rectified Forward Current	I_O	商用周波数、正弦波180度通電 Half Sine Wave, Resistive Load	Ta=25℃ 0.76 A
Alumina Substrate mounted *			Tl=58℃ 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}	35 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	℃
保存温度範囲 Storage Temperature Range	T_{stg}	-40～+150	℃

■ 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}	$T_j=25^{\circ}\text{C}$, $V_{RM}=V_{RRM}$	—	—	20	μA		
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}\text{C}$, $I_{FM}=3\text{A}$	—	2.2	2.7	V		
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM}=3\text{A}$, $-di/dt=50\text{ A}/\mu\text{s}$, $T_j=25^{\circ}\text{C}$	—	17	27	ns		
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	Alumina Substrate*		—	—	89	$^{\circ}\text{C}/\text{W}$
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—		—	—	13	$^{\circ}\text{C}/\text{W}$

* Soldering Lands = 2×3.5 mm Both Sides

■定格・特性曲線

FIG.1

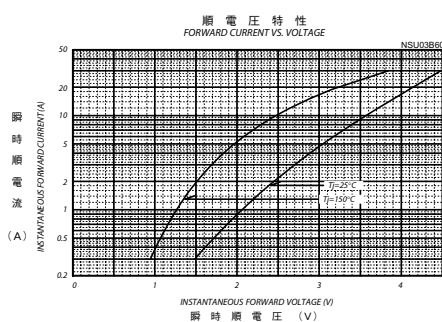


FIG.2

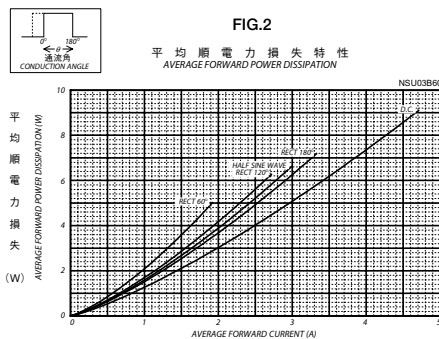


FIG.3

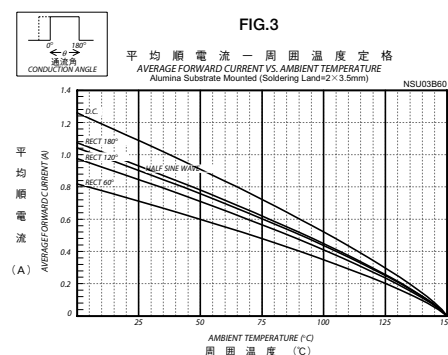


FIG.4

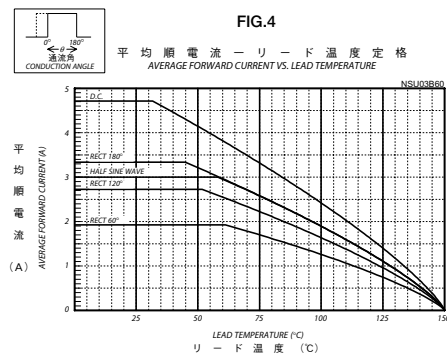


FIG.5

