

3A Avg.

600 Volts

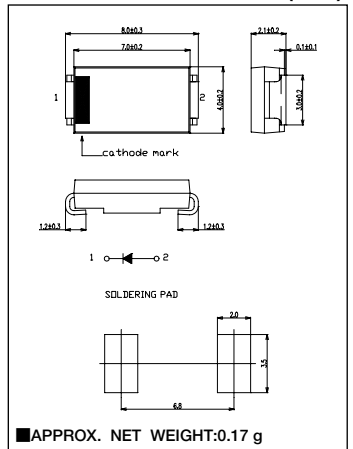
FRED

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	0.76 3.0
実効順電流 R.M.S. Forward Current	$I_F(RMS)$		4.71
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	$I_{RM}$	$T_j=25^\circ C, V_{RM}=V_{RRM}$	—	—	20	$\mu A$
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^\circ C, I_{FM}=3A$	—	2.2	2.7	V
逆回復時間 Reverse Recovery Time	$t_{rr}$	$I_{FM}=3A, -di/dt=50 A/\mu s, T_j=25^\circ C$	—	17	27	ns
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 × 3.5 mm Both Sides

■定格・特性曲線

FIG.1

順電圧特性  
FORWARD CURRENT VS. VOLTAGE

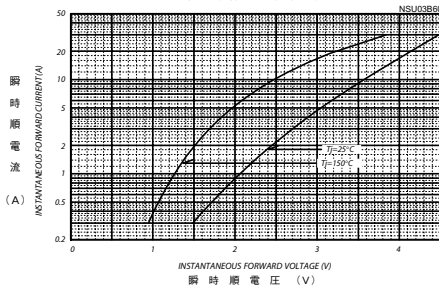


FIG.2

平均順電力損失特性  
AVERAGE FORWARD POWER DISSIPATION

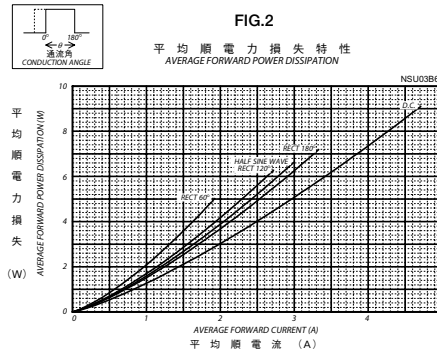


FIG.3

平均順電流一周囲温度定格  
AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE  
Alumina Substrate Mounted (Soldering Land: 2 × 3.5mm)

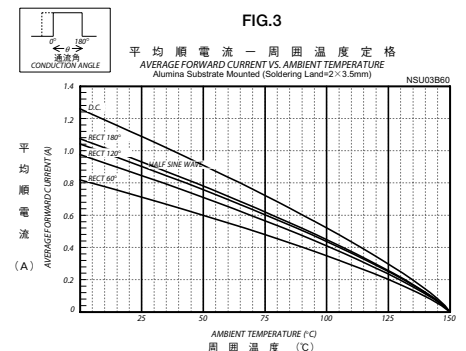


FIG.4

平均順電流 - リード温度定格  
AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE

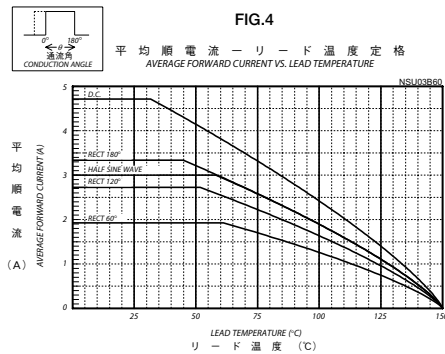


FIG.5

サージ順電流定格  
SURGE CURRENT RATINGS  
f=50Hz, Half Sine Wave, Non-Repetitive, No Load

