

3A Avg.

600 Volts

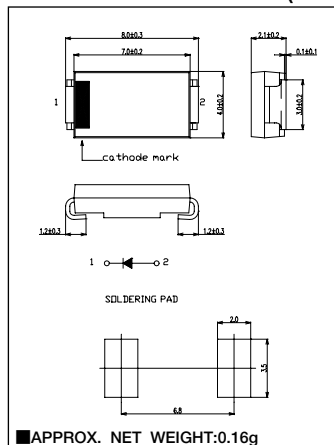
FRED

NSU03A60

■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	Alumina Substrate mounted *	I _O	商用周波数、正弦波180度通電 Half Sine Wave, Resistive Load	Ta=25℃	1.02	A
	—			Tl=72℃	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}	$T_j=25^{\circ}\text{C}$, $I_{FM}=3\text{A}$	—	1.9	2.3	V		
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM}=3\text{A}$, $-di/dt=50\text{ A}/\mu\text{s}$, $T_j=25^{\circ}\text{C}$	—	21	32	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

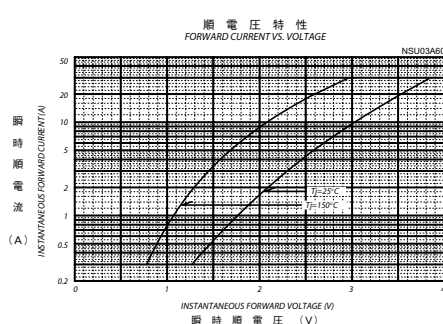


FIG.2

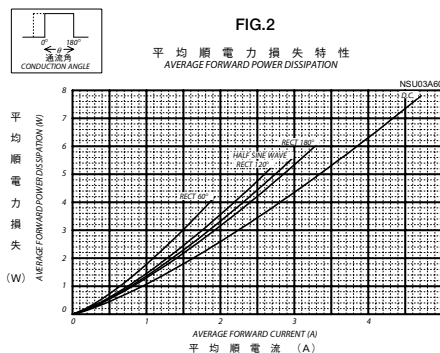


FIG.3

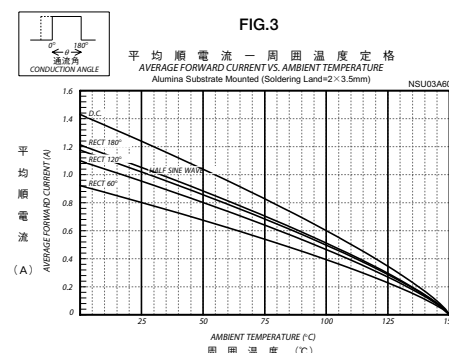


FIG.4

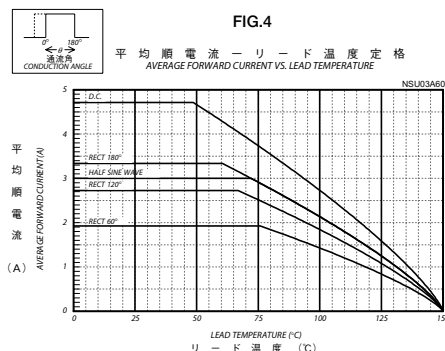


FIG.5

