

3A Avg.

600 Volts

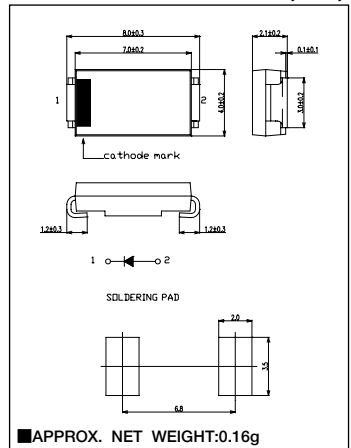
FRED

NSF03E60

■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	50Hz 正弦半波, 抵抗負荷 50Hz Half Sine Wave, Resistance Load	1.28 A 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}	60 50Hz 正弦半波, 1 サイクル, 非くり返し 50Hz Half Sine Wave, 1 cycle, Non-repetitive	A
動作接合温度範囲 Operating Junction Temperature Range	T_{jw}	-40 ~ +150	°C
保存温度範囲 Storage Temperature Range	T_{stg}	-40 ~ +150	°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}	$T_j = 25^\circ\text{C}, V_{RM} = V_{RRM}$	—	—	20	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j = 25^\circ\text{C}, I_{FM} = 3\text{A}$	—	—	1.28	V
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM} = 3\text{A}, -di/dt = 50\text{A}/\mu\text{s}, T_j = 25^\circ\text{C}$	—	—	75	ns
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	—	—	89	°C/W
	$R_{th(j-l)}$	接合部・リード間 Junction to Lead	—	—	13	°C/W

* アルミナ基板実装/Alumina Substrate Mounted (Soldering Lands = 2 × 3.5 mm, Both Sides)

■定格・特性曲線

