

6A Avg.

60 Volts

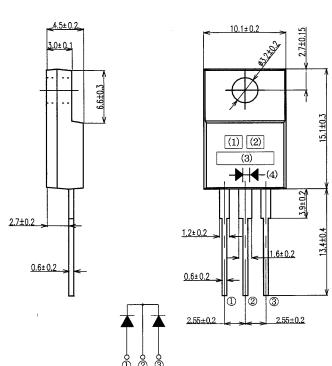
SBD

FCQ06A06

## ■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 <sub>RRM</sub>	60			V
平均整流電流 Average Rectified Forward Current	I <sub>O</sub>	50Hz, 正弦全波通電抵抗負荷 50Hz Full Sine Wave Resistive Load	T <sub>c</sub> =104°C	6	A
実効順電流 R.M.S. Forward Current	I <sub>F(RMS)</sub>	6.6			A
サージ順電流 Surge Forward Current	I <sub>FSM</sub>	80 50Hz 正弦全波, 1サイクル, 非くり返し 50Hz Full Sine Wave, 1cycle, Non-repetitive			A
動作接合温度範囲 Operating Junction Temperature Range	T <sub>jw</sub>	-40~+150			°C
保存温度範囲 Storage Temperature Range	T <sub>stg</sub>	-40~+150			°C
締付トルク Mounting torque	F <sub>tor</sub>	推奨値 Recommended Value	0.5	N·m	

## ■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:1.75g

## ■電気的・熱的特性 Electrical/Thermal Characteristics

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
ピーカー逆電流 Peak Reverse Current	I <sub>RM</sub>	T <sub>j</sub> =25°C, V <sub>RRM</sub> =V <sub>RRM</sub> , 一素子あたり Per Diode	—	—	2	mA
ピーカ順電圧 Peak Forward Voltage	V <sub>FM</sub>	T <sub>j</sub> =25°C, I <sub>FM</sub> =3 A, 一素子あたり Per Diode	—	—	0.62	V
熱抵抗 Thermal Resistance	R <sub>th(j-c)</sub>	接合部・ケース間 Junction to Case	—	—	5	°C/W
	R <sub>th(c-f)</sub>	ケース・フィン間 Case to Fin	—	—	1.5	°C/W

## ■定格・特性曲線

FIG.1

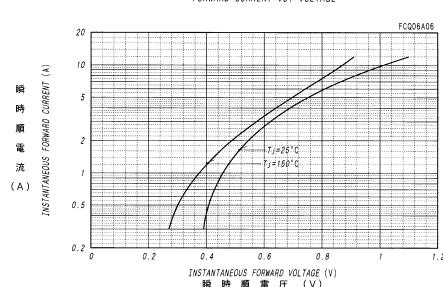
順電圧特性  
FORWARD CURRENT VS. VOLTAGE

FIG.2

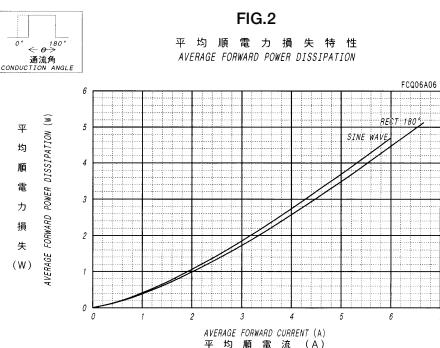
平均順電力損失特性  
AVERAGE FORWARD POWER DISSIPATION

FIG.3

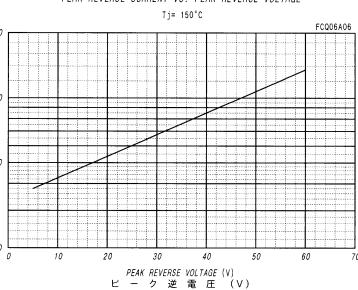
ピーカー逆電流 - ピーカー逆電圧特性  
PEAK REVERSE CURRENT VS. PEAK REVERSE VOLTAGE

FIG.4

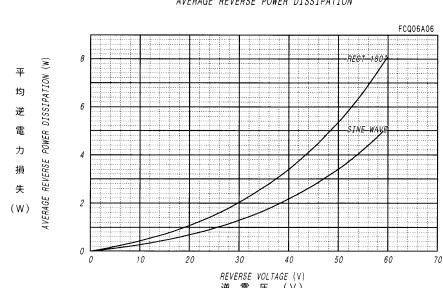
平均逆電力損失  
AVERAGE REVERSE POWER DISSIPATION

FIG.5

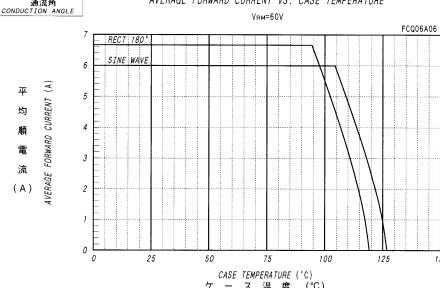
平均順電流 - ケース温度定格  
AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE

FIG.6

サージ順電流定格  
SURGE CURRENT RATINGS

f=50Hz, Sine Wave, Non-Repetitive, No Load

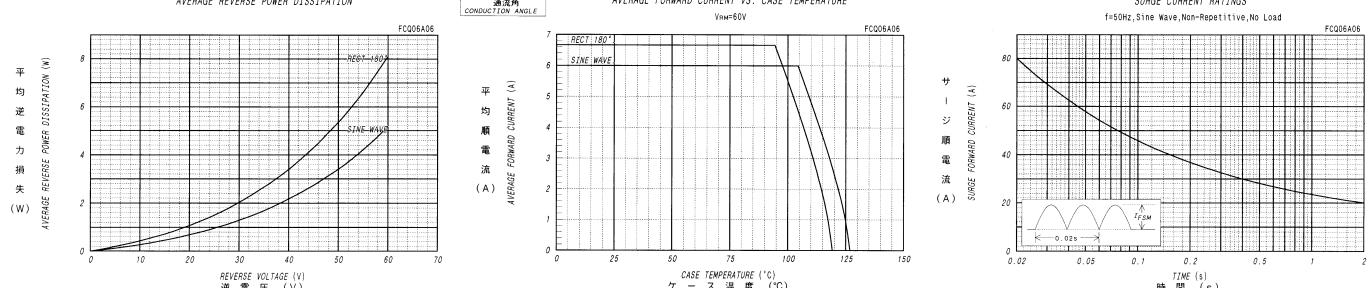


FIG.7

接合容量特性  
JUNCTION CAPACITANCE VS. REVERSE VOLTAGE