

30A Avg.

40 Volts

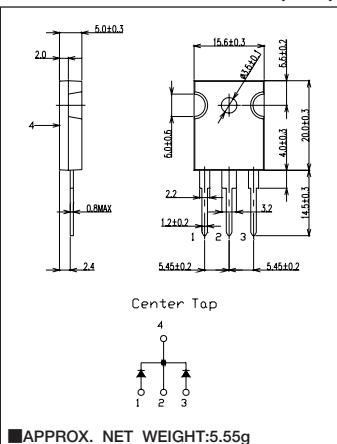
SBD

KCH30A04

■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}	40	V
くり返しピークサージ逆電圧 Repetitive Peak Surge Reverse Voltage	V _{RRSM}	45 pulse width $\leq 1 \mu\text{s}$ duty $\leq 1/50$	V
平均整流電流 Average Rectified Output Current	I _O	50Hz, 正弦全波抵抗負荷 50Hz Full Sine Wave Resistive Load	T _c =114°C 30 A
実効順電流 RMS Forward Current	I _{F(RMS)}	33.3	A
サージ順電流 Surge Forward Current	I _{FSM}	250 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 _{jw}	-40~+150	°C
保存温度範囲 Storage Temperature Range	T _{stg}	-40~+150	°C
締付トルク Mounting torque	F _{tor}	推奨値 Recommended Value	0.5 N·m

■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:5.55g

■電気的・熱的特性 Electrical/Thermal Characteristics

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
ピーケーク逆電流 Peak Reverse Current	I _{RM}	T _j =25°C, V _{RM} =V _{RRM} , 一素子あたり Per Diode	—	—	1	mA
ピーケーク順電圧 Peak Forward Voltage	V _{FM}	T _j =25°C, I _{FM} =15A, 一素子あたり Per Diode	—	—	0.61	V
熱抵抗 Thermal Resistance	R _{th(j-c)}	接合部・ケース間 Junction to Case	—	—	1.5	°C/W

■定格・特性曲線

FIG.1

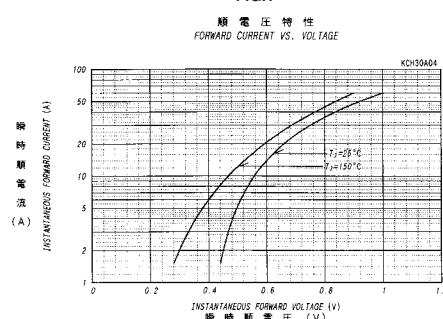


FIG.2

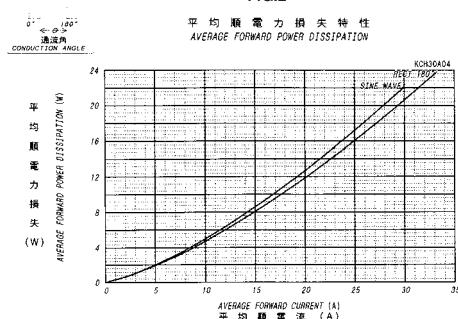


FIG.3

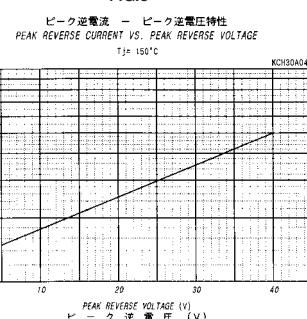


FIG.4

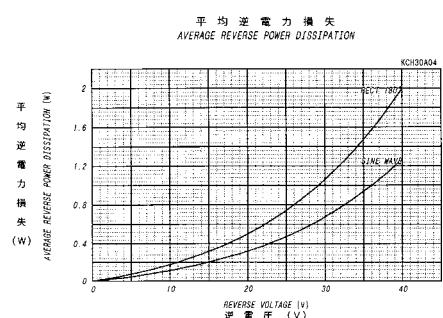


FIG.5

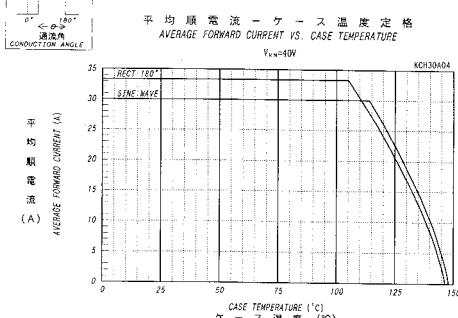


FIG.6

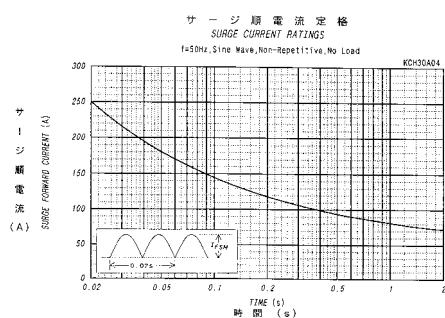


FIG.7

