

20A Avg.

200 Volts

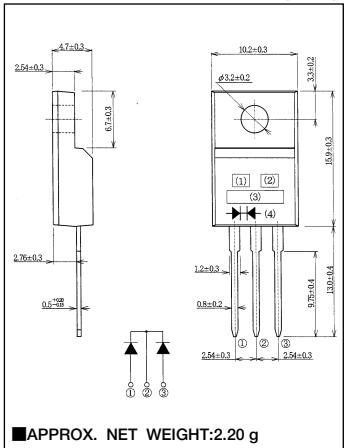
FRD

FCU20UC20

■最大定格 Maximum Ratings

Item	Symbol	Conditions			Unit
くり返しビーコン逆電圧 Repetitive Peak Reverse Voltage	V _{RRM}	200			V
平均整流電流 Average Rectified Forward Current	I _O	50Hz、正弦全波抵抗負荷 50Hz Full Sine Wave Resistive Load	T _c =104°C	20	A
実効順電流 R.M.S. Forward Current	I _{F(RMS)}	22.2			A
サージ順電流 Surge Forward Current	I _{FSM}	120 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:2.20 g

■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 _{RM}	T _j =25°C, V _{RRM} =V _{RRM} , 一素子あたり Per Diode	—	—	25	μA
ピーカー順電圧 Peak Forward Voltage	V _{FM}	T _j =25°C, I _{FM} =10A, 一素子あたり Per Diode	—	0.90	1.08	V
逆回復時間 Reverse Recovery Time	trr	I _{FM} =10A, -di/dt=50 A/μs, T _j =25°C	—	22	31	ns
熱抵抗 Thermal Resistance	R _{th(j-c)}	接合部・ケース間 Junction to Case	—	—	2	°C/W
	R _{th(c-f)}	ケース・フィン間 Case to Fin	—	—	1.5	°C/W

■定格・特性曲線

FIG.1

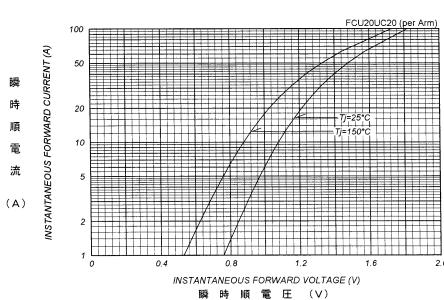
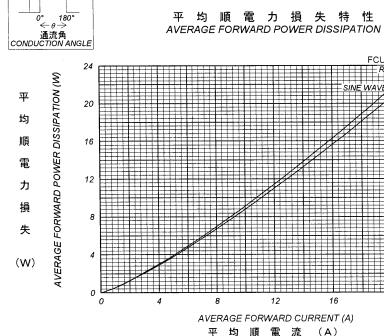
順電圧特性
FORWARD CURRENT VS. VOLTAGEFIG.2
CONDUCTION ANGLE

FIG.2

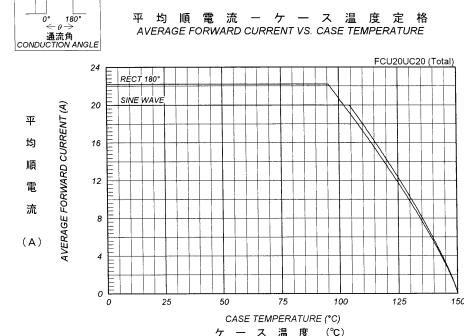
平均順電力損失特性
AVERAGE FORWARD POWER DISSIPATIONFIG.3
CONDUCTION ANGLE

FIG.3

平均順電流一ケース温度定格
AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE

FIG.4

サージ順電流定格
SURGE CURRENT RATINGS

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

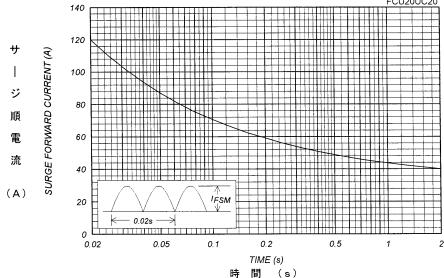


FIG.5

サージ実効順電流定格
RMS SURGE CURRENT RATINGS

Ta=40°C, Non-Repetitive, No Load

