

20A Avg.

400 Volts

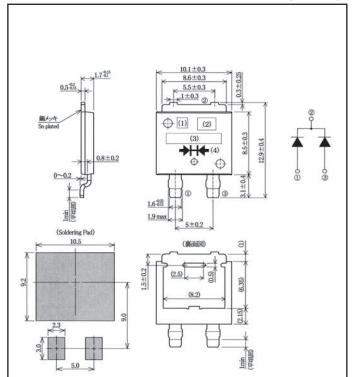
FRED

UCU20C40

■最大定格 Maximum Ratings (Ta=25°C : unless otherwise specified)

Item	Symbol	Condition	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	V_{RRM}	400	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, Resistance Load	$T_c=89^\circ\text{C}$ 20
実効順電流 R.M.S. Forward Current	$I_F(\text{RMS})$	22.2	A
サーージ順電流 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

■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:0.59g

■電氣的・熱的特性 Electrical/Thermal Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	I_{RM}	$T_j=25^\circ\text{C}, V_{RM}=V_{RRM}$, 一素子あたり Per Diode	—	—	30	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	$T_j=25^\circ\text{C}, I_{FM}=10\text{A}$, 一素子あたり Per Diode	—	1.30	1.50	V
逆回復時間 Reverse Recovery Time	t_{rr}	$I_{FM}=10\text{A}, T_j=25^\circ\text{C}, -di/dt=50\text{A}/\mu\text{s}$	—	25	35	
熱抵抗 Thermal Resistance	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	2	°C/W

■定格・特性曲線

FIG.1 順電圧特性
FORWARD CURRENT VS. VOLTAGE

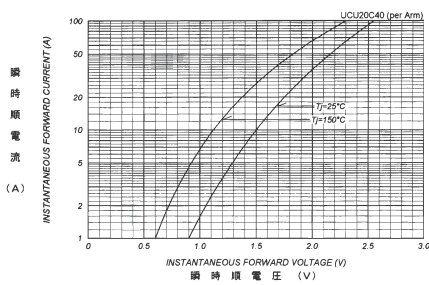


FIG.2 平均順電力損失特性
AVERAGE FORWARD POWER DISSIPATION

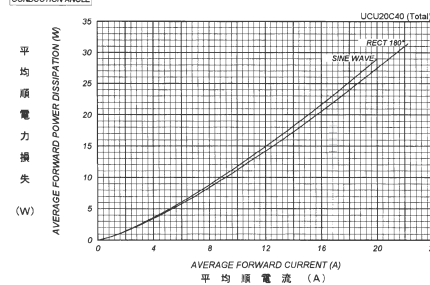


FIG.3 平均順電流 - ケース温度定格
AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE

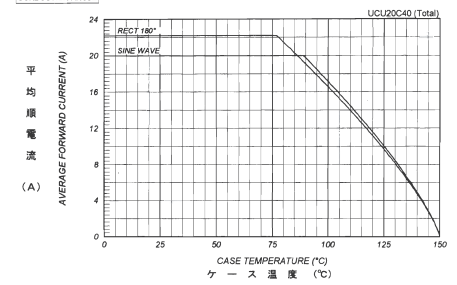


FIG.4 サージ順電流定格
SURGE CURRENT RATINGS

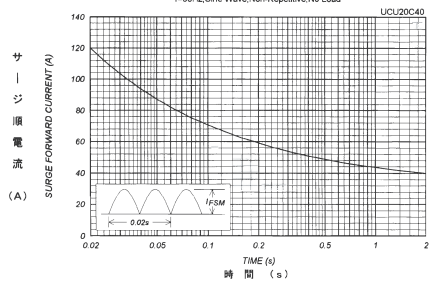


FIG.5 サージ実効電流定格
RMS SURGE CURRENT RATINGS

