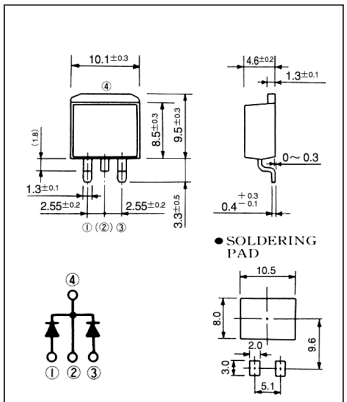
16A Avg. 200 Volts FRED C16T20F

■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}	200			V
非くり返しピーク逆電圧 Non-repetitive Peak Reverse Voltage	V_{RSM}	220			V
平均整流電流 Average Rectified Forward Current	I_O	50Hz、正弦全波通電抵抗負荷 50Hz Full Sine Wave Resistive Load	Tc＝113℃	16	A
実効順電流 R.M.S. Forward Current	$I_{F(RMS)}$	18			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			℃
保存温度範囲 Storage Temperature Range	T_{stg}	−40～＋150			℃

■OUTLINE DRAWING(mm)



■APPROX. NET WEIGHT:1.4 g

■電気的・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℃, V_{RM}＝V_{RRM}, 一素子あたり Per Diode	—	—	25	μA
ピーク順電圧 Peak Forward Voltage	V_{FM}	T_j＝25℃, I_{FM}＝8A, 一素子あたり Per Diode	—	—	0.98	V
逆回復時間 Reverse Recovery Time	trr	I_{FM}＝8A, -di/dt＝50 A/μs, T_j＝25℃	—	—	35	ns
熱抵抗 Thermal Resistance	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	2	℃/W

■定格・特性曲線

FIG.1

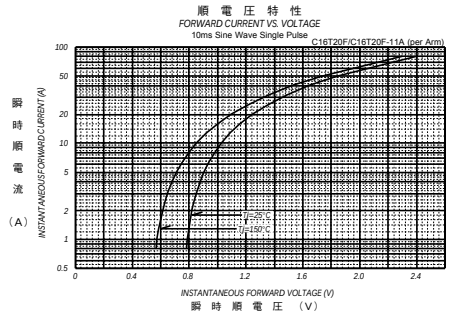


FIG.2

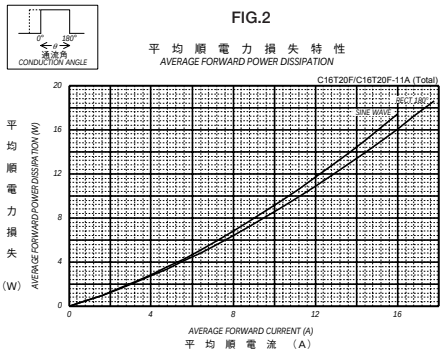


FIG.3

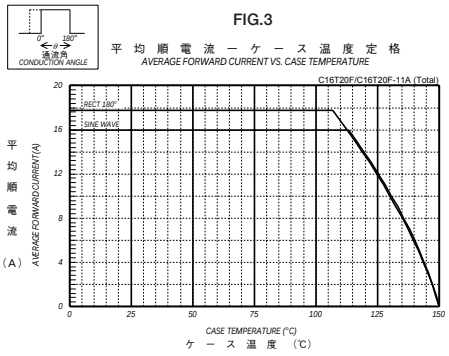


FIG.4

