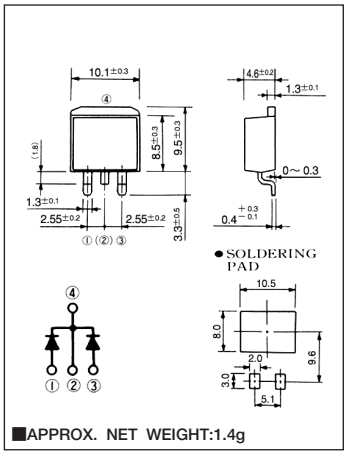
10A Avg.　30 Volts　SBD　C10T03QLH

■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}	30			V
くり返しピークサージ逆電圧 Repetitve Peak Surge Reverse Voltage	V_{RRSM}	35 pulse width ≦ 1 μs　duty ≦ 1/50			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＝129℃	10	A
実効順電流 R.M.S. Forward Current	$I_{F(RMS)}$	11.1			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:1.4g

■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	—	—	1	mA
ピーク順電圧 Peak Forward Voltage	V_{FM}	T_j＝25℃, I_{FM}＝15A, 一素子あたり Per Diode	—	—	0.57	V
熱抵抗 Thermal Resistance	$R_{th(j-c)}$	接合部・ケース間 Junction to Case	—	—	3	℃/W

■定格・特性曲線

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

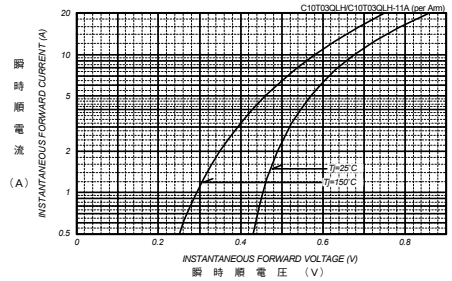




FIG.2
平均順電力損失特性
AVERAGE FORWARD POWER DISSIPATION

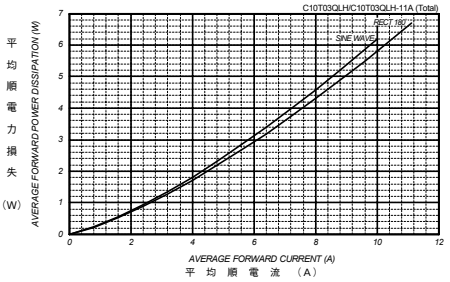


FIG.3
ピーク逆電流 − ピーク逆電圧特性
PEAK REVERSE CURRENT VS. PEAK REVERSE VOLTAGE

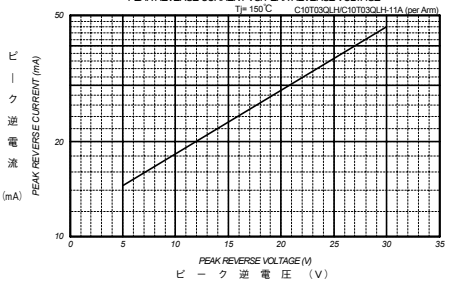


FIG.4
平均逆電力損失
AVERAGE REVERSE POWER DISSIPATION

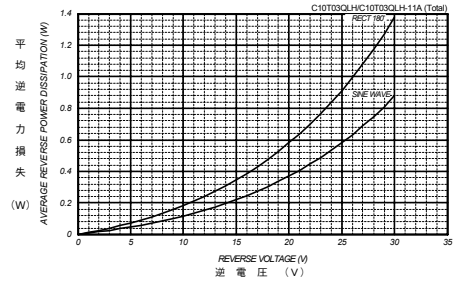




FIG.5
平均順電流−ケース温度定格
AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE

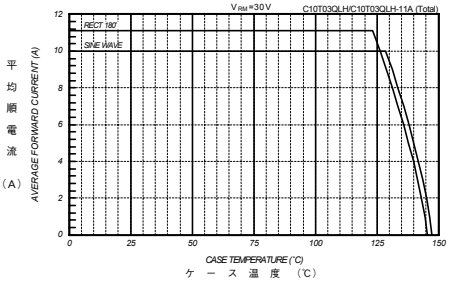
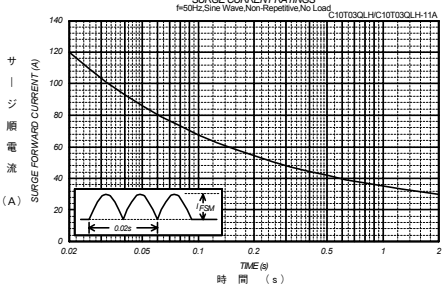


FIG.6
サージ順電流定格
SURGE CURRENT RATINGS



接合容量特性
JUNCTION CAPACITANCE VS. REVERSE VOLTAGE

