

1A Avg.

100 Volts

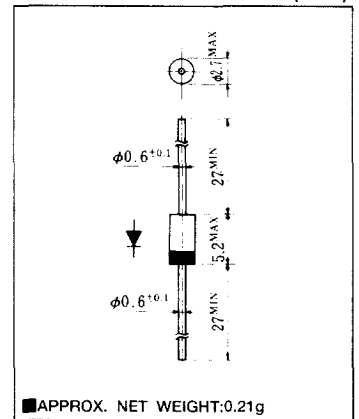
SBD

11EQ10

■最大定格 MAXIMUM RATINGS

Rating	Symbol	Type	11EQ10	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$		100	V
平均整流電流 Average Rectified Output Current	$I_O$	Without Fin or P.C.Board	1.0 (商用周波数, 正弦波180度通電 $T_a=26^\circ\text{C}$ ) Half Sine Wave, Resistive Load	A
		P.C.Board mounted *	1.0 (商用周波数, 正弦波180度通電 $T_a=57^\circ\text{C}$ ) Half Sine Wave, Resistive Load	A
実効順電流 RMS Forward Current	$I_{F(RMS)}$		1.57	A
サージ順電流 Surge Forward Current	$I_{FSM}$		40 (50Hz単相正弦波1サイクル非くり返し) Half Sine Wave, 1cycle, Non-repetitive	A
動作接合温度範囲 Operating Junction Temperature Range	$T_{jw}$		-40~+150	$^\circ\text{C}$
保存温度範囲 Storage Temperature Range	$T_{STG}$		-40~+150	$^\circ\text{C}$

■OUTLINE DRAWING(mm)



■電気的特性 ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	$I_{RM}$	$V_{RM}=V_{RRM}$ $T_j=25^\circ\text{C}$	—	—	0.5	mA
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$I_{FM}=1\text{A}$ $T_j=25^\circ\text{C}$	—	—	0.85	V
熱抵抗(接合部・周囲間) Thermal Resistance(Junction to Ambient)	$R_{th(j-a)}$	Without Fin or P.C.Board	—	—	140	$^\circ\text{C}/\text{W}$
		P.C.Board mounted *	—	—	105	$^\circ\text{C}/\text{W}$

\* Print Lands = 5×5 mm, Both Sides

■定格・特性曲線

FIG.1

順電圧特性  
FORWARD CURRENT VS. VOLTAGE

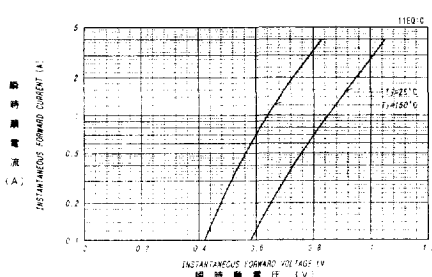


FIG.4

平均逆電力損失  
AVERAGE REVERSE POWER DISSIPATION

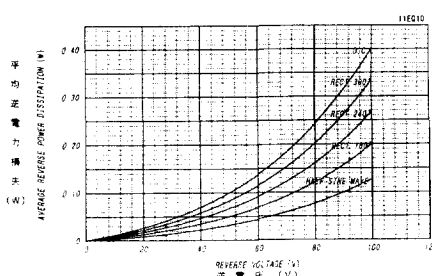


FIG.7

サージ順電流定格  
SURGE CURRENT RATINGS

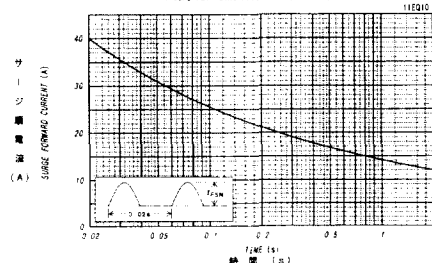


FIG.2

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

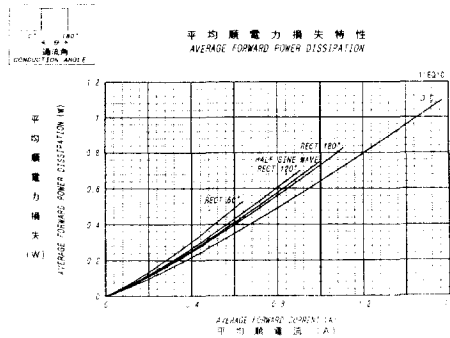


FIG.5

平均順電流-周囲温度定格  
AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

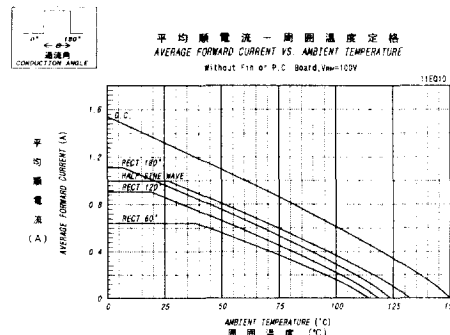


FIG.8

接合容量特性  
JUNCTION CAPACITANCE VS. REVERSE VOLTAGE

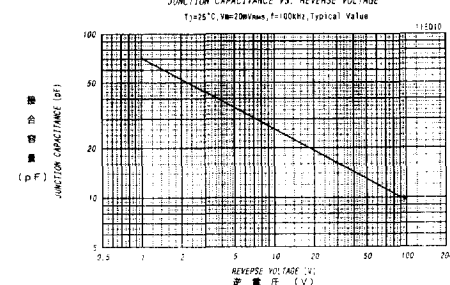


FIG.3

ピーク逆電流 - ピーク逆電圧特性  
PEAK REVERSE CURRENT VS. PEAK REVERSE VOLTAGE

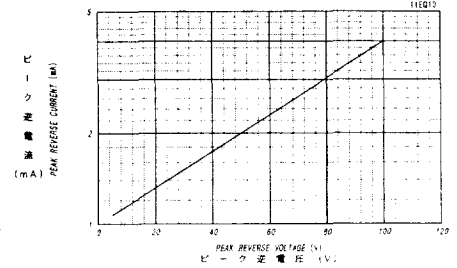


FIG.6

平均順電流-周囲温度定格  
AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

