

1A Avg.

100 Volts

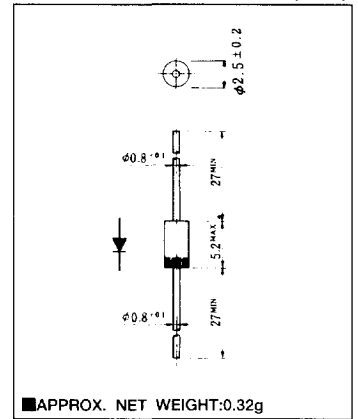
SBD

11DQ10

■最大定格 MAXIMUM RATINGS

Rating	Symbol	Type	11DQ10	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 $T_a=35^\circ\text{C}$) Half Sine Wave, Resistive Load	A
		P.C.Board mounted *	1.0 (商用周波数, 正弦波180度通電 $T_a=78^\circ\text{C}$) 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単相正弦半波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	—	—	130	$^\circ\text{C/W}$
		P.C.Board mounted *	—	—	81	$^\circ\text{C/W}$

* Print Lands = 5×5 mm, Both Sides

■定格・特性曲線

FIG.1

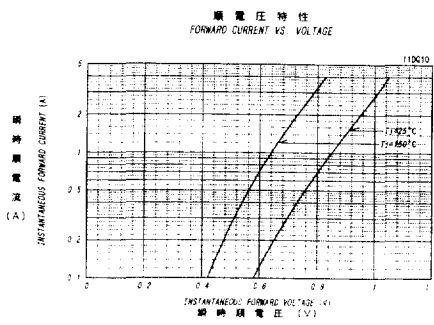


FIG.4

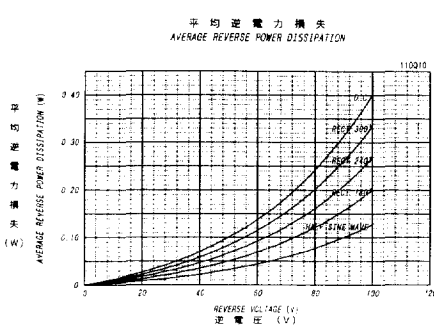


FIG.7

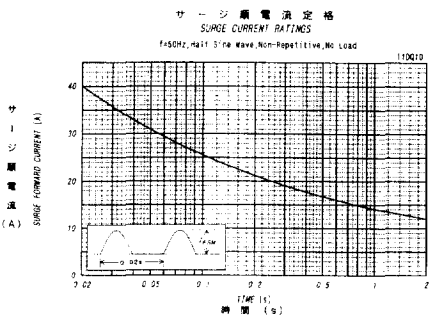


FIG.2

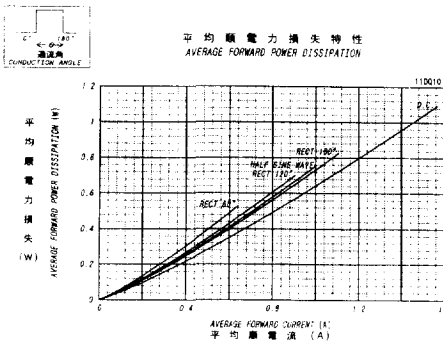


FIG.5

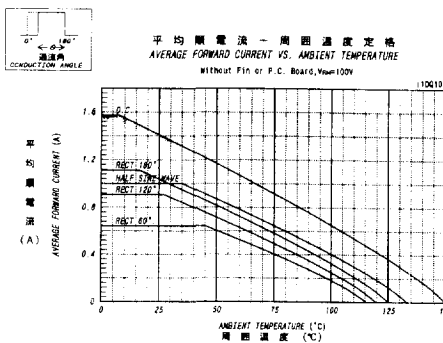


FIG.8

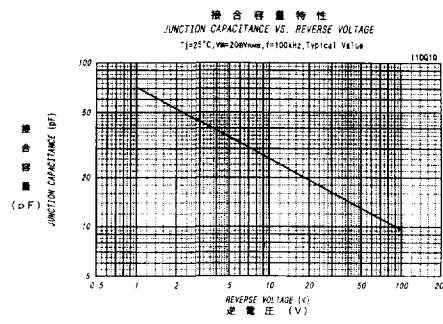


FIG.3

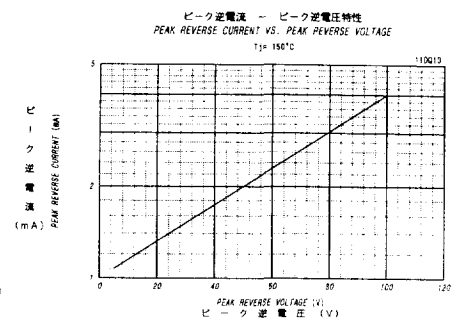


FIG.6

