

T-33-35

FRN300BA60

## ■ MAXIMUM RATINGS

(Unless otherwise  $T_J=25^\circ\text{C}$ )

Item	Symbol	Unit	Rating
Repetitive peak reverse voltage	$V_{RRM}$	V	600
Reverso D.C. voltage	$V_{R(DC)}$	V	480

Item	Symbol	Unit	Rating	Conditions
Forward current	$I_F$	A	300	D.C., $T_J=118^\circ\text{C}$
Surge forward current	$I_{FSM}$	A	4500	1/2 cycle 60Hz, peak value non-repetitive
$I^2t$ (for fusing)	$I^2t$	$\text{A}^2\text{S}$	84000	Value for one cycle of surge current
Junction temperature	$T_J$	$^\circ\text{C}$	-40-150	
Storage temperature	$T_{stg}$	$^\circ\text{C}$	-40-125	
Mounting torque	Mounting base M8		20-30	Recommended value 25
	Terminals M8		90-110	Recommended value 100
Mass		g	170	Typical value

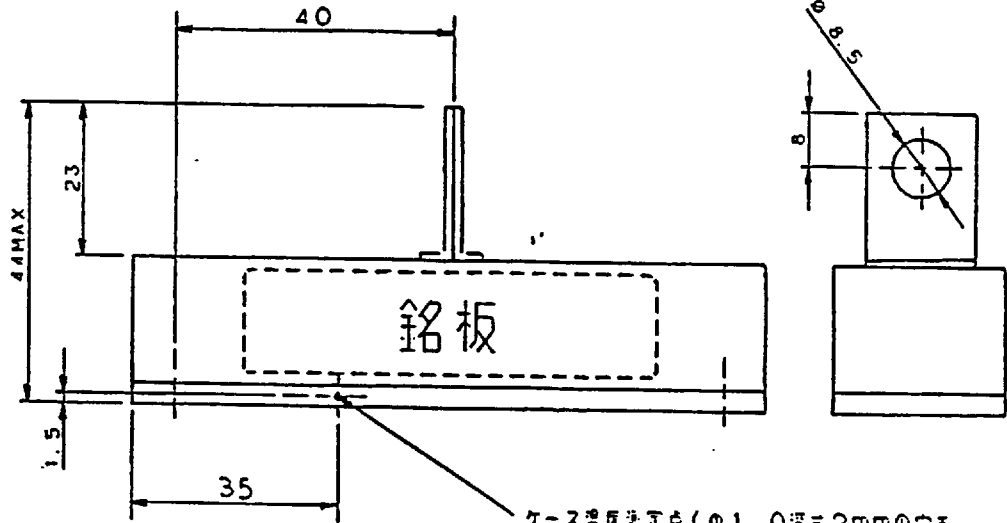
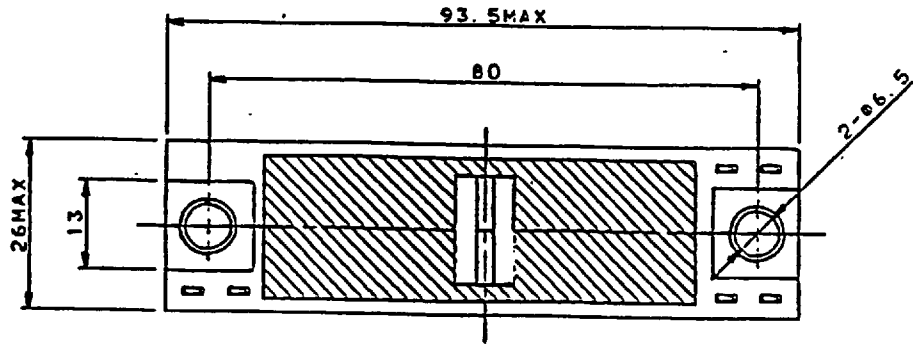
## ■ ELECTRICAL CHARACTERISTICS

(Unless otherwise  $T_J=25^\circ\text{C}$ )

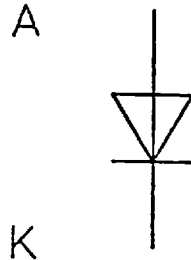
Item	Symbol	Unit	Rating			Conditions
			Min.	Typ.	Max.	
Repetitive peak reverse current	$I_{RRM}$	$\mu\text{A}$		600	1200	$V_{RRM}=600\text{V}$
Forward voltage drop	$V_{FM}$	V		1.15	1.30	$I_{FM}=300\text{A}$ Inst. measurement
Reverse recovery time	$t_{rr}$	ns		85	100	$I_F=300\text{A}$ $-di/dt=300\text{A}/\mu\text{s}$
Thermal resistance (Junction to case)	$R_{th}$	$^\circ\text{C}/\text{W}$			0.06	

SanRex Corporation  
 1615 Northern Blvd.  
 Manhasset, N. Y. 11030  
 Tel# (516) 365-3520  
 FAX# (516) 365-3724

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ケース裏面固定点(φ1.0深さ2mmの穴をあけて固定して下さい。)  
TC POINT(φ1.0 depth 2.0mm)



第三角法 3RD ANGLE PROJECTION	承認 APPROVED BY	検図 CHECKED BY SEP-11-'97 Y. Nakamura	名称 TITLE OUTLINE DRAWING
尺度 SCALE 1 : 1	設計 DESIGNED BY SEP.11.'97 K. Saito	製図 DRAWN BY SEP.11.'97 K. Saito	FRN300BA60
単位 UNITS mm	株式会社三社電機製作所 SANSHA ELECTRIC MFG.CO.,LTD.		図番号 DRAWING NO. S1G1A0695

FRN300BA 5V