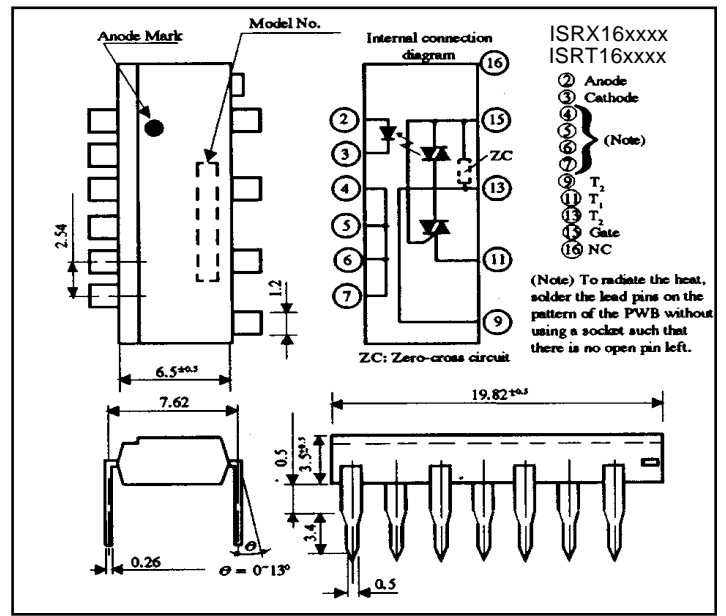
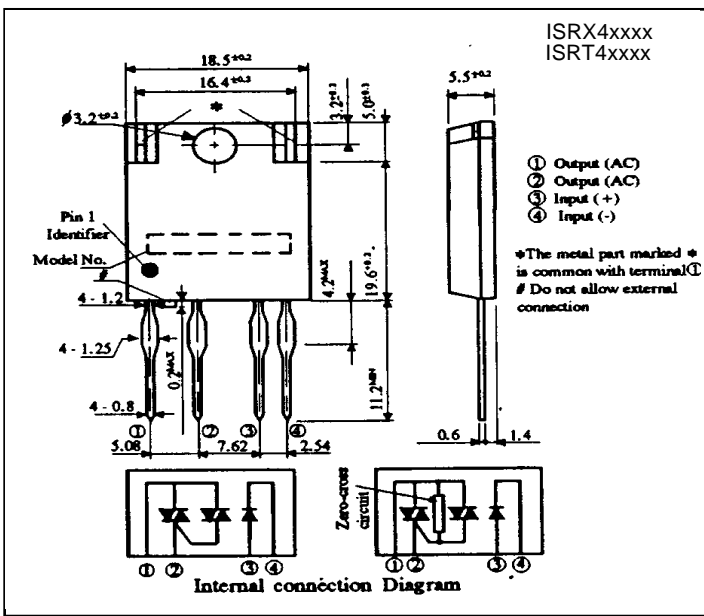




ISRT164012 / ISRT166012
 ISRX164012 / ISRX166012
 ISRT44080 / ISRT46080 / ISRT44160 / ISRT46160
 ISRX44080 / ISRX46080 / ISRX44160 / ISRX46160

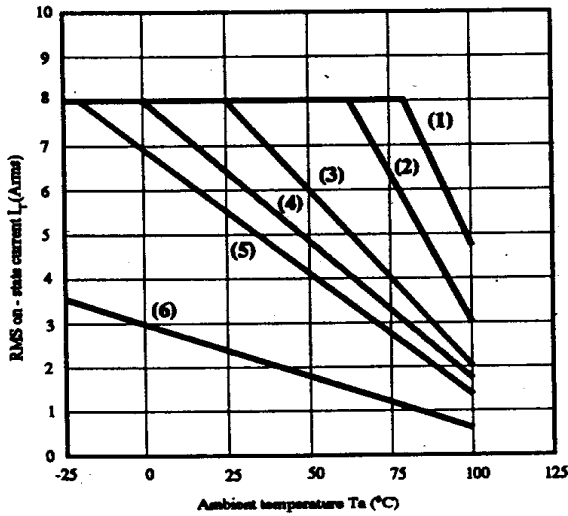
	MAX		
	1.2A	ISRT164012	ISRT166012
	8A	ISRT44080	ISRT46080
	16A	ISRT44160	ISRT46160
	1.2A	ISRX164012	ISRX166012
	8A	ISRX44080	ISRX46080
	16A	ISRX44160	ISRX46160



								UNIT
		ISRT44080 ISRX44080	ISRT46080 ISRX46080	ISRT44160 ISRX44160	ISRT46160 ISRX46160	ISRT164012 ISRX164012	ISRT166012 ISRX166012	
	I_F	50	50	50	50	50	50	mA
	V_R	6	6	6	6	6	6	V
	I_T	8 ^{*1}	8 ^{*1}	16 ^{*2}	16 ^{*2}	1.2	1.2	A_{RMS}
	I_S	80 ^{*3}	80 ^{*3}	160 ^{*3}	160 ^{*3}	12	12	A
	V_{DRM}	400	600	400	600	400	600	V
	V_{DSM}	400	600	400	600			V
	di/dt	50	50	50	50			A/uS
	f	45-65	45-65	45-65	45-65			Hz
	V_{ISO}	4000	4000	4000	4000	5000	5000	Vrms
	T_{OPR}	-25 ~ +100	-25 ~ +100	-25 ~ +100	-25 ~ +100	-25 / +80	-25 / +80	°C
	T_{STG}	-30 ~ +125	-30 ~ +125	-30 ~ +125	-30 ~ +125	-40 / +125	-40 / +125	°C
	T_{SOL}	260	260	260	260	260	260	°C

Fig. 1 RMS On-state Current vs. Ambient Temperature

8 Amp Series



- (1) With infinite heat sink
- (2) With heat sink (200 X 200 X 2mm Al plate)
- (3) With heat sink (100 X 100 X 2mm Al plate)
- (4) With heat sink (75 X 75 X 2mm Al plate)
- (5) With heat sink (50 X 50 X 2mm Al plate)
- (6) Without heat sink

Fig.1 RMS On-state Current vs. Ambient Temperature

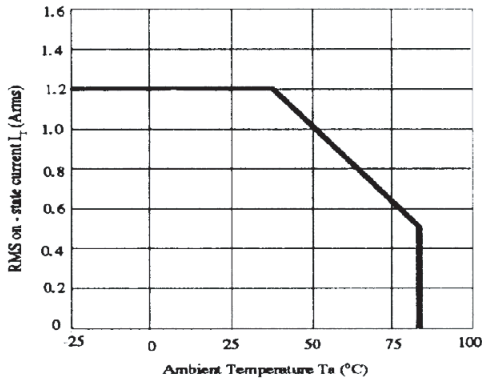


Fig.3 Forward Current vs. Forward Voltage

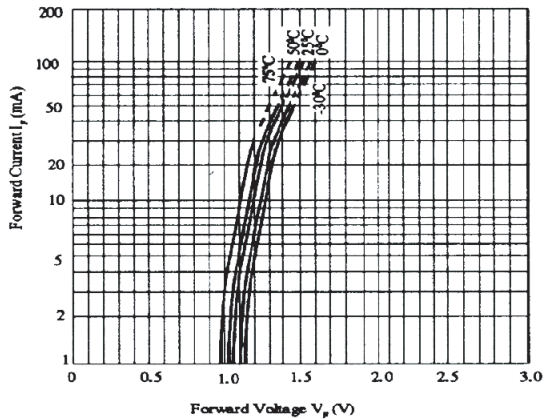
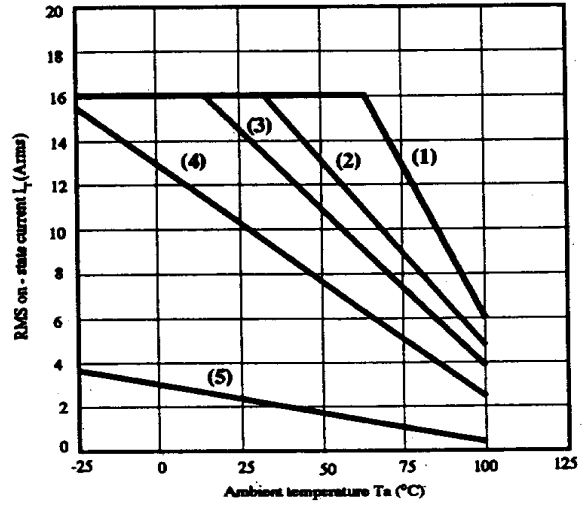


Fig. 2 RMS On-state Current vs. Ambient Temperature

16 Amp Series



- (1) With infinite heat sink
- (2) With heat sink (280 X 280 X 2mm Al plate)
- (3) With heat sink (200 X 200 X 2mm Al plate)
- (4) With heat sink (100 X 100 X 2mm Al plate)
- (5) Without heat sink

Fig.2 Forward Current vs. Ambient Temperature

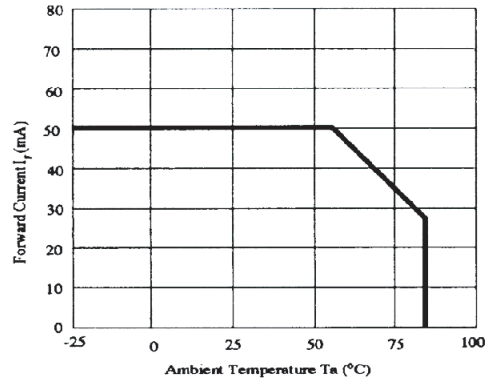
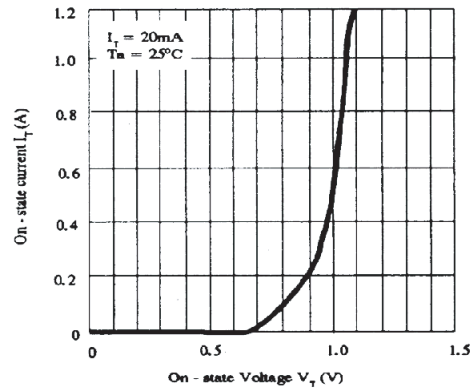


Fig.4 On - state Current vs. On - state Voltage



ISRX166012	\$2,70	\$2,50	\$2,34
ISRT46080	\$4,95	\$4,62	\$4,28
ISRX46160	\$6,93	\$6,23	\$5,77