

# SCR Product Matrix

RCA SCR's	TO-8		TO-66							TO 66 With Heat Rad.	
	N		D							E	
$I_T$ (RMS)	2A	4.5A	5A	FTO* 5A	FTO* 5A	FTO* 5A	FTO* 5A	FTO* 5A	FTO* 5A	5A	FTO* 5A
$I_{TSM}$ (60 Hz)	60A	200A	60A	80A	80A	80A	75A(1PM)	80A	80A	80A	80A
$V_{DROM}$	15										
$V_{RRM}$ (V)	25										
	30										
	50										
	100	S2400A				S3704A					S3714A
	150										
	200	2N3528	S2400B	2N3228		S3700B	S3704B			S2710B	S3714B
	250										
	300										
	400	2N3529	S2400D	2N3525		S3700D	S3704D			S2710D	S3714D
	500				S3706E						
	600	2N4102	S2400M	2N4101	S3705M	S3700M	S3704M	S3701M		S2710M	S3714M
	700						S3704S		S3702S		S3714S
	750									S3703SF	
	800										
$I_{GT}$ (mA)	15	15	15	30	40	40	35	45	40	15	40
$V_{GT}$ (V)	2	2	2	4	3.5	3.5	4	4	4	2	3.5
File No.	114	567	114	839	306	690	476	522	522	266	690

\* FTO - Fast Turn-Off

RCA SCR's	Low Profile Mod. TO-5	TO-5 With Heat Rad.	TO-5 With Heat Spreader	TO-220AB					F	TO-220AB
	A-2	B-2	C-2	VERSAWATT					F	VERSAWATT
$I_T$ (RMS)	7A	3.3A	7A	4A	4A	4A	8A	10A	12	
$I_{TSM}$ (60 Hz)	100A	100A	100A	35A	35A	35A	100A	100A	125	
$V_{DROM}$	15			S2060Q	S2061Q	S2062Q				
$V_{RRM}$ (V)	25									
	30			S2060Y	S2061Y	S2062Y				
	50			S2060F	S2061F	S2062F	S122F	S2800F	2N6394	
	100			S2060A	S2061A	S2062A	S122A	S2800A	2N6395	
	150									
	200	S2600B	S2610B	S2620B	S2060B	S2061B	S2062B	S122B	S2800B	2N6396
	250									
	300				S2060C	S2061C	S2062C	S122C	S2800C	S6000C
	400	S2600D	S2610D	S2620D	S2060D	S2061D	S2062D	S122D	S2800D	2N6397
	500				S2060E	S2061E	S2062E	S122E	S2800E	S6000E
	600	S2600M	S2610M	S2620M	S2060M	S2061M	S2062M	S122M	S2800M	2N6398
	700							S122S	S2800S	S6000S
	750									
	800									
$I_{GT}$ (mA)	15	15	15	0.2	0.5	2	25	15	30	
$V_{GT}$ (V)	1.5	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	
File No.	496	496	496	654	654	654	889	890	891	

\* FTO - Fast Turn-Off

TRIACS (continued)

RCA TYPE	Current			Package (See p.28)	Voltage V <sub>DROM</sub> V	Temp. Range Operating °C	Max. Gate Trigger Current I <sub>GT</sub> -mA Modes				Critical Rate of Rise of:						Thermal Resistance R <sub>θJC</sub> °C/W
	I <sub>T</sub> (RMS) A	I <sub>TSM</sub> A	Temp., T <sub>C</sub> °C				I+	III-	I-	III+	Commutation Voltage dv/dt - V/μs			Off-State Voltage dv/dt - V/μs			
											Min.	Typ.	T <sub>C</sub> -°C	Min.	Typ.	T <sub>C</sub> -°C	

ZERO-VOLTAGE-SWITCH TRIACS (continued)

T64 types (continued)

T6417B	30	300	60	H-1	200	-40 to 100	45	-	-	45	3	-	60	40	-	100	0.9
T6417D	30	300	60	H-1	400	-40 to 100	45	-	-	45	3	-	60	25	-	100	0.9
T6417M	30	300	60	H-1	600	-40 to 100	45	-	-	45	3	-	60	20	-	100	0.9
T6427B	30	300	55	J-1	200	-65 to 100	45	-	-	45	3	-	55	40	-	100	1
T6427D	30	300	55	J-1	400	-65 to 100	45	-	-	45	3	-	55	25	-	100	1
T6427M	30	300	55	J-1	600	-65 to 100	45	-	-	45	3	-	55	20	-	100	1
T6406B	40	300	70	G-1	200	-40 to 110	45	-	-	45	5	-	70	50	-	110	0.8
T6406D	40	300	70	G-1	400	-40 to 110	45	-	-	45	5	-	70	30	-	110	0.8
T6406M	40	300	70	G-1	600	-40 to 110	45	-	-	45	5	-	70	20	-	110	0.8
T6416B	40	300	65	H-1	200	-40 to 110	45	-	-	45	5	-	65	50	-	110	0.9
T6416D	40	300	65	H-1	400	-40 to 110	45	-	-	45	5	-	65	30	-	110	0.9
T6416M	40	300	65	H-1	600	-40 to 110	45	-	-	45	5	-	65	20	-	110	0.9
T6426B	40	300	60	J-1	200	-65 to 110	45	-	-	45	5	-	60	50	-	110	1
T6426D	40	300	60	J-1	400	-65 to 110	45	-	-	45	5	-	60	30	-	110	1
T6426M	40	300	60	J-1	600	-65 to 110	45	-	-	45	5	-	60	20	-	110	1

SCR's

RCA TYPE	Current			Package (See p. 28)	Voltage V <sub>DROM</sub> V <sub>RRM</sub> V	Temp. Range Operating °C	Max. Gate Trigger Characteristic		Critical Rate of Rise of Off-State Voltage dv/dt - V/μs			Max. Instantaneous Holding Current		Thermal Resistance R <sub>θJC</sub> °C/W
	I <sub>T</sub> (RMS) A	I <sub>TSM</sub> A	Temp., T <sub>C</sub> °C				I <sub>GT</sub> mA	V <sub>GT</sub> V	Min.	Typ.	T <sub>C</sub> -°C	I <sub>HO</sub> -mA	T <sub>C</sub> -°C	

SENSITIVE-GATE SCR's

S20 types

S2060Q	4	35	85	F	15	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2060Y	4	35	85	F	30	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2060F	4	35	85	F	50	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2060A	4	35	85	F	100	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2060B	4	35	85	F	200	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2060C	4	35	85	F	300	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2060D	4	35	85	F	400	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2060E	4	35	85	F	500	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2060M	4	35	85	F	600	-40 to 110	0.2	0.8	5	8	110	3	25	3.5
S2061Q	4	35	85	F	15	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2061Y	4	35	85	F	30	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2061F	4	35	85	F	50	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2061A	4	35	85	F	100	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2061B	4	35	85	F	200	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2061C	4	35	85	F	300	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2061D	4	35	85	F	400	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2061E	4	35	85	F	500	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2061M	4	35	85	F	600	-40 to 110	0.5	0.8	5	8	110	6	25	3.5
S2062Q	4	35	85	F	15	-40 to 110	2	0.8	5	8	110	10	25	3.5
S2062Y	4	35	85	F	30	-40 to 110	2	0.8	5	8	110	10	25	3.5
S2062F	4	35	85	F	50	-40 to 110	2	0.8	5	8	110	10	25	3.5
S2062A	4	35	85	F	100	-40 to 110	2	0.8	5	8	110	10	25	3.5
S2062B	4	35	85	F	200	-40 to 110	2	0.8	5	8	110	10	25	3.5
S2062C	4	35	85	F	300	-40 to 110	2	0.8	5	8	110	10	25	3.5
S2062D	4	35	85	F	400	-40 to 110	2	0.8	5	8	110	10	25	3.5
S2062E	4	35	85	F	500	-40 to 110	2	0.8	5	8	110	10	25	3.5
S2062M	4	35	85	F	600	-40 to 110	2	0.8	5	8	110	10	25	3.5