

SCR's—Non Sensitive Gate

TYPE	Part Number					I _T		V _{DRM} & V _{RRM}		I _{GT}		I _{DRM} & I _{RRM}			V _{TM}		V _{GT}		
	Isolated		Non-Isolated																
						Maximum On-State Current (1)	Amps	Repetitive Peak Off-State Forward & Reverse Voltage	DC Gate-Trigger Current V _D = 12 VDC R _L = 60Ω (4)	Peak Off-State Forward & Reverse Current @ V _{DRM} & V _{RRM}	Peak On-State Voltage at Max Rated RMS Current T _C = 25°C (3)	DC Gate-Trigger Voltage V _D = 12 VDC R _L = 60Ω (8)							
	K A G	K A G		K A G	K A G	I _{T(RMS)}	I _{T(AV)}	Volts	mA	mA	Volts	T _C = 25°C	T _C = 100°C	T _C = 125°C	T _C = 25°C	T _C = 125°C			
FOR DIMENSIONAL OUTLINES & PACKAGE VARIATIONS SEE PAGE 67						MAX	MAX	MIN	MIN	MAX	MAXIMUM			MAX	MAX	MIN			
25 Amps	S0325L			S0325R		25	16	30	1	30	.01	1.0	2.0	1.6	1.5	0.2			
	S0525L			S0525R		25	16	50	1	30	.01	1.0	2.0	1.6	1.5	0.2			
	S1025L			S1025R		25	16	100	1	30	.01	1.0	2.0	1.6	1.5	0.2			
	S2025L			S2025R		25	16	200	1	30	.01	1.0	2.0	1.6	1.5	0.2			
	S4025L			S4025R		25	16	400	1	30	.01	1.0	2.0	1.6	1.5	0.2			
	S6025L			S6025R		25	16	600	1	30	.01	1.0	2.0	1.6	1.5	0.2			
				2N6504		25	16	50		40	.01		2.0	1.8		0.2			
				2N6505		25	16	100		40	.01		2.0	1.8		0.2			
				2N6506		25	16	200		40	.01		2.0	1.8		0.2			
				2N6507		25	16	400		40	.01		2.0	1.8		0.2			
			2N6508		25	16	600		40	.01		2.0	1.8		0.2				
35 Amps		S0335J			S0335W	35	22	30	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S0535J			S0535W	35	22	50	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S1035J			S1035W	35	22	100	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S2035J			S2035W	35	22	200	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S4035J			S4035W	35	22	400	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S6035J			S6035W	35	22	600	5	40	.01	1.0	2.0	1.8	1.5	0.2			
50 Amps		S0550J				50	32	50	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S1050J				50	32	100	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S2050J				50	32	200	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S4050J				50	32	400	5	40	.01	1.0	2.0	1.8	1.5	0.2			
		S6050J				50	32	600	5	40	.01	1.0	2.0	1.8	1.5	0.2			
55 Amps					S0555W	55	35	50	5	40	.01	1.0	2.0	1.8	1.5	0.2			
					S1055W	55	35	100	5	40	.01	1.0	2.0	1.8	1.5	0.2			
					S2055W	55	35	200	5	40	.01	1.0	2.0	1.8	1.5	0.2			
					S4055W	55	35	400	5	40	.01	1.0	2.0	1.8	1.5	0.2			
					S6055W	55	35	600	5	40	.01	1.0	2.0	1.8	1.5	0.2			
65 Amps			S0565P			65	41	50	5	50	.02	1.5	3.0	1.8	2.0	0.2			
			S1065P			65	41	100	5	50	.02	1.5	3.0	1.8	2.0	0.2			
			S2065P			65	41	200	5	50	.02	1.5	3.0	1.8	2.0	0.2			
			S4065P			65	41	400	5	50	.02	1.5	3.0	1.8	2.0	0.2			
			S6065P			65	41	600	5	50	.02	1.5	3.0	1.8	2.0	0.2			
		S0565J				65	41	50	5	50	.02	1.5	3.0	1.8	2.0	0.2			
		S1065J				65	41	100	5	50	.02	1.5	3.0	1.8	2.0	0.2			
		S2065J				65	41	200	5	50	.02	1.5	3.0	1.8	2.0	0.2			
		S4065J				65	41	400	5	50	.02	1.5	3.0	1.8	2.0	0.2			
		S6065J				65	41	600	5	50	.02	1.5	3.0	1.8	2.0	0.2			
70 Amps					S0570W	70	45	50	5	50	.02	1.5	3.0	1.8	2.0	0.2			
					S1070W	70	45	100	5	50	.02	1.5	3.0	1.8	2.0	0.2			
					S2070W	70	45	200	5	50	.02	1.5	3.0	1.8	2.0	0.2			
					S4070W	70	45	400	5	50	.02	1.5	3.0	1.8	2.0	0.2			
					S6070W	70	45	600	5	50	.02	1.5	3.0	1.8	2.0	0.2			

GENERAL NOTES

- Teccor's 2N6394 Series, 2N6400 Series, and 2N6504 Series devices conform to all JEDEC registered data.
- All measurements are made at 60 Hz with a resistive load at an ambient temperature of +25°C unless otherwise specified.
- Operating temperature range (TJ) is -65°C to +125°C for TO-92 devices, 0°C to +125°C for Fastpak, and -40°C to +125°C for all other packages.
- Storage temperature range (TS) is -65°C to +150°C for TO-92 devices, -40°C to +150°C for TO-202 and TO-220 devices, -20°C to +125°C for Fastpaks, and -40°C to +125°C for all others.
- Lead solder temperature is a maximum of 230°C for 10 seconds maximum; 1/16" from case.
- The case temperature (TC) is measured as shown on dimensional outline drawings. See "package dimensions" section of catalog.

NOTES FOR JEDEC DEVICES

- 2N6400-6405 series of devices also conform to the following specifications
 - Maximum VGT = 2.5 volts @ -40°C
 - Maximum IH = 60 milliamps @ -40°C
- 2N6504-6508 series of devices also conform to the following specifications
 - Maximum VGT = 1.5 volts @ -40°C
 - Maximum IGT = 75 milliamps @ -40°C
 - Maximum IH = 40 milliamps @ -40°C