

### SILICON NPN - Power Transistors

TYPE NO.	MAX. THERMAL RES. Junction to Case $\theta_{jc}$ (°C/W)	MAX. COLL. DISS. in Free Air @25°C $P_c$ (Watts)	MAX. TEMPERATURE	ABSOLUTE MAX. RATINGS @25°C.					MAX. $I_{CEO}$ @25°C (mA)	$h_{FE}$			(MIN.) GBW $I_c=50$ MA $V_{CE}=10$ V @20 MC	COB	CASE TYPE	MAX. COLL. DISS. w/infr. Heat Sink (Watts)	MIN. TEMP. (°C)	MAX. TEMP. (°C)	
				$I_c$ (AMP)	$I_b$ (AMP)	$BV_{CEO}$ (VOLT)	$BV_{EBO}$ (VOLT)	$BV_{CE0}$ (VOLT)		BIAS		MIN. (MAX)*							TYP
										$V_{CE}$ (VOLT)	$I_c$ (mA)								
TRS-3204S	17.5	1.0	1.0	.5	200	5.0	280	2	4	50	30	60	2.5	15	TO-5	10	-65	+200	
TRS-3604S	17.5	1.0	1.0	.5	420	5.0	360	2	4	50	30	60	2.5	15	TO-5	10	-65	+200	
TRS-4014S	17.5	1.0	1.0	.5	480	5.0	400	10	4	25	30	60	2.5	15	TO-5	10	-65	+200	
TRS-4404S	17.5	1.0	1.0	.5	530	5.0	440	10	5	25	30	60	2.5	15	TO-5	10	-65	+200	
TRS-4804S	17.5	1.0	1.0	.5	580	5.0	480	10	5	25	30	60	2.5	15	TO-5	10	-65	+200	
TRS-5204S	17.5	1.0	1.0	.5	625	5.0	520	10	5	25	30	60	2.5	15	TO-5	10	-65	+200	
TRS-5404S	17.5	1.0	1.0	.5	650	5.0	540	10	5	25	30	60	2.5	15	TO-5	10	-65	+200	
TRS-5804S	17.5	1.0	1.0	.5	700	5.0	580	10	5	25	30	60	2.5	15	TO-5	10	-65	+200	
TRS-6204S	17.5	1.0	1.0	.5	750	5.0	620	10	5	25	30	60	2.5	15	TO-5	10	-65	+200	
TRS-6604S	17.5	1.0	1.0	.5	800	5.0	660	10	5	25	30	60	2.5	15	TO-5	10	-65	+200	
TRS-7014S	17.5	1.0	1.0	.5	850	5.0	700	10	5	25	30	60	2.5	15	TO-5	10	-65	+200	
2N3861	17.5	2.0	1.0	.5	530	5.0	440	10	4	25	30	200*	2.5	15	MD-14	15	-65	+200	
2N4063	17.5	2.0	1.0	.5	450	7.0	350	20 ††	10	20	40	160*	2.5	15	MD-14	10	-65	+200	
2N4064	17.5	2.0	1.0	.5	300	7.0	250	20 ††	10	20	40	160*	2.5	10	MD-14	10	-65	+200	
2N5101	17.5	2.0	1.0	.5	500	6.0	400	.5	10	100	15	250*	2.5	15	MD-14	10	-65	+200	
2N5280	17.5	2.0	1.0	.5	400	7.0	300	20 ††	10	20	50	175*	2.5	15	MD-14	10	-65	+200	
TRS-1005	17.5	2.0	1.0	.5	100	6.0	100*	3	4	50	30	60	2.5	15	MD-14	10	-65	+200	
TRS-1205	17.5	2.0	1.0	.5	120	6.0	120*	3	4	50	30	60	2.5	15	MD-14	10	-65	+200	
TRS-1405	17.5	2.0	1.0	.5	140	6.0	140*	3	4	50	30	60	2.5	15	MD-14	10	-65	+200	
TRS-1605	17.5	2.0	1.0	.5	160	6.0	160*	3	4	50	30	60	2.5	15	MD-14	10	-65	+200	
TRS-1805	17.5	2.0	1.0	.5	180	6.0	180*	3	4	50	30	60	2.5	15	MD-14	10	-65	+200	
TRS-2005	17.5	2.0	1.0	.5	200	6.0	200*	2	4	50	30	60	2.5	15	MD-14	10	-65	+200	

NOTE: †† ICEO \* MAX.  $h_{FE}$  \*  $BV_{CE0}$

### SILICON NPN - Power Transistors

TYPE NO.	MAX. THERMAL RES. Junction to Case $\theta_{jc}$ (°C/W)	MAX. COLL. DISS. in Free Air @25°C $P_c$ (Watts)	MAX. TEMPERATURE	ABSOLUTE MAX. RATINGS @25°C.					MAX. $I_{CEO}$ @25°C (mA)	$h_{FE}$			(MIN.) GBW $I_c=50$ MA $V_{CE}=10$ V @20 MC	COB	CASE TYPE	MAX. COLL. DISS. w/infr. Heat Sink (Watts)	MIN. TEMP. (°C)	MAX. TEMP. (°C)	
				$I_c$ (AMP)	$I_b$ (AMP)	$BV_{CEO}$ (VOLT)	$BV_{EBO}$ (VOLT)	$BV_{CE0}$ (VOLT)		BIAS		MIN. (MAX)*							TYP
										$V_{CE}$ (VOLT)	$I_c$ (mA)								
TRS-2255	17.5	2.0	1.0	.5	225	6.0	225*	3	4	50	22	60	2.5	15	MD-14	10	-65	+200	
TRS-2505	17.5	2.0	1.0	.5	250	6.0	250*	2	4	50	20	60	2.5	15	MD-14	10	-65	+200	
TRS-2755	17.5	2.0	1.0	.5	275	6.0	275*	3	4	22	22	60	2.5	15	MD-14	10	-65	+200	
TRS-3015	17.5	2.0	1.0	.5	300	6.0	300*	2	4	50	30	60	2.5	15	MD-14	10	-65	+200	
TRS-3255	17.5	2.0	1.0	.5	325	6.0	325*	3	4	50	22	60	2.5	15	MD-14	10	-65	+200	
TRS-3505	17.5	2.0	1.0	.5	350	6.0	350*	2	4	50	20	60	2.5	15	MD-14	10	-65	+200	
TRS-3755	17.5	2.0	1.0	.5	375	6.0	375*	3	4	50	22	60	2.5	15	MD-14	10	-65	+200	
TRS-4015	17.5	2.0	1.0	.5	400	6.0	400*	2	4	50	20	60	2.5	15	MD-14	10	-65	+200	
TRS-4255	17.5	2.0	1.0	.5	425	6.0	425*	3	4	50	22	60	2.5	15	MD-14	10	-65	+200	
TRS-4505	17.5	2.0	1.0	.5	450	6.0	450*	2	4	50	30	60	2.5	15	MD-14	10	-65	+200	
TRS-4755	17.5	2.0	1.0	.5	475	6.0	475*	2	4	50	22	60	2.5	15	MD-14	10	-65	+200	
TRS-5015	17.5	2.0	1.0	.5	500	6.0	500*	2	5	25	30	60	2.5	15	MD-14	10	-65	+200	
TRS-5255	17.5	2.0	1.0	.5	525	6.0	525*	2	5	25	30	60	2.5	15	MD-14	10	-65	+200	
TRS-5505	17.5	2.0	1.0	.5	550	6.0	550*	2	5	25	30	60	2.5	15	MD-14	10	-65	+200	
TRS-5755	17.5	2.0	1.0	.5	575	6.0	575*	2	5	25	30	60	2.5	15	MD-14	10	-65	+200	
TRS-6015	17.5	2.0	1.0	.5	600	6.0	600*	10	5	25	30	60	2.5	15	MD-14	10	-65	+200	
TRS-6505	17.5	2.0	1.0	.5	650	6.0	650*	10	5	25	30	60	2.5	25	MD-14	10	-65	+200	
TRS-7015	17.5	2.0	1.0	.5	700	6.0	700*	10	5	25	30	60	2.5	15	MD-14	10	-65	+200	
TRS-7505	17.5	2.0	1.0	.5	750	6.0	750*	10	5	25	30	60	2.5	15	MD-14	10	-65	+200	
TRS-8015	17.5	2.0	1.0	.5	800	6.0	800*	10	5	25	30	60	2.5	15	MD-14	10	-65	+200	
TRS-2805S	17.5	2.0	1.0	.5	340	5.0	280	2	4	50	30		2.5	15	MD-14	10	-65	+200	
TRS-3205S	17.5	2.0	1.0	.5	385	5.0	320	2	4	50	30		2.5	15	MD-14	10	-65	+200	

NOTE: †† ICEO \* MAX.  $h_{FE}$  \*  $BV_{CE0}$

-2- TRS-03204S-X