

SILICON PNP - Power Transistors

TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air @25°C P_c (Watts)	MAX. TEMP.	ABSOLUTE MAX. RATINGS @25°C.					MAX. I_{cBO} @25°C (ua)	h_{FE}			(MIN.) GBW $I_c = 50 \text{ MA}$ $V_{CE} = 10 \text{ V}$ @20 MC	COB	CASE TYPE	MAX. COLL. DISS. w/inf. Heat Sink (Watts)	MIN. TEMP. (°C)	MAX. TEMP. (°C)	
				I_c (AMP)	I_b (AMP)	V_{CEBO} (VOLT)	V_{EBO} (VOLT)	V_{CE0} (VOLT)		BIAS		MIN.							TYP
										V_{CE} (VOLT)	I_C (ma)								
TRSP4754S	17.5	1.0	1.0	.5	500	5.0	475	3	10	25	25	50	1.5	15	TO-5	10	-65	+200	
TRSP5014	17.5	1.0	1.0	.5	500	5.0	500*	3	10	25	25	50	1.5	15	TO-5	10	-65	+200	
TRSP5014S	17.5	1.0	1.0	.5	525	5.0	500	3	10	25	25	50	1.5	15	TO-5	10	-65	+200	
TRLP-2004	17.5	1.0	1.0	.5	200	4.0	200*	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-2504	17.5	1.0	1.0	.5	250	4.0	250*	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-3004	17.5	1.0	1.0	.5	300	4.0	300*	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-3504	17.5	1.0	1.0	.5	350	4.0	350*	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-4004	17.5	1.0	1.0	.5	200	4.0	400*	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-4504	17.5	1.0	1.0	.5	450	4.0	450*	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-2254S	17.5	1.0	1.0	.5	250	4.0	225*	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-2540S	17.5	1.0	1.0	.5	275	4.0	250	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-2754S	17.5	1.0	1.0	.5	300	4.0	275	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-3004S	17.5	1.0	1.0	.5	325	4.0	300	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-3504S	17.5	1.0	1.0	.5	375	4.0	350	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-4004S	17.5	1.0	1.0	.5	425	4.0	400	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRLP-4504S	17.5	1.0	1.0	.5	475	4.0	450	10	10	500	15	35	1.0	15	TO-5	10	-65	+200	
TRSP2255	17.5	2.0	1.0	.5	225	5.0	225*	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP2255S	17.5	2.0	1.0	.5	250	5.0	225	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP2505	17.5	2.0	1.0	.5	250	5.0	250*	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP2505S	17.5	2.0	1.0	.5	275	5.0	250	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP2755	17.5	2.0	1.0	.5	275	5.0	275*	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP2755S	17.5	2.0	1.0	.5	300	5.0	275	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	

NOTE: †† ICEO * MAX. h_{FE} * V_{CE0}

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				I_c (AMP)	I_b (AMP)	V_{CEBO} (VOLT)	V_{EBO} (VOLT)	V_{CE0} (VOLT)		BIAS		MIN.							TYP
										V_{CE} (VOLT)	I_C (ma)								
TRSP3015	17.5	2.0	1.0	.5	300	5.0	300*	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP3015S	17.5	2.0	1.0	.5	325	5.0	300	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP3505	17.5	2.0	1.0	.5	350	5.0	350*	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP3515S	17.5	2.0	1.0	.5	375	5.0	350	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP4015	17.5	2.0	1.0	.5	400	5.0	400*	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP4015S	17.5	2.0	1.0	.5	425	5.0	400	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP4255S	17.5	2.0	1.0	.5	450	5.0	425	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP4505	17.5	2.0	1.0	.5	450	5.0	450*	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP4505S	17.5	2.0	1.0	.5	475	5.0	450	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP4755S	17.5	2.0	1.0	.5	500	5.0	475	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP5015	17.5	2.0	1.0	.5	500	5.0	500*	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP5015S	17.5	2.0	1.0	.5	525	5.0	500	3	10	25	25	50	1.5	15	MD-14	10	-65	+200	
TRSP3743	17.5	2.0	1.0	.5	300	5.0	300	3	10	30	25	250*	1.5	15	MD-14	10	-65	+200	
TRSP4930	17.5	2.0	1.0	.5	200	4.0	200	1	10	10	20	200*	1.5	15	MD-14	10	-65	+200	
TRSP4931	17.5	2.0	1.0	.5	250	4.0	200	1	10	10	20	200*	1.5	15	MD-14	10	-65	+200	
TRSP5281	17.5	2.0	1.0	.5	175	6.0	150	1	10	10	30	200*	1.5	15	MD-14	10	-65	+200	
TRSP5282	17.5	2.0	1.0	.5	325	6.0	300	1	10	10	30	200*	1.5	15	MD-14	10	-65	+200	
TRSP5415	17.5	2.0	1.0	.5	-	4.0	200	50 ††	10	50	30	150*	1.5	15	MD-14	10	-65	+200	
TRSP5416	17.5	2.0	1.0	.5	350	6.0	300	50 ††	10	50	30	120*	1.5	15	MD-14	10	-65	+200	
TRLP-2005	17.5	2.0	1.0	.5	200	4.0	200*	10	10	500	15	35	1.0	35	MD-14	10	-65	+200	
TRLP-2505	17.5	2.0	1.0	.5	250	4.0	250*	10	10	500	15	35	1.0	35	MD-14	10	-65	+200	
TRLP-3095	17.5	2.0	1.0	.5	300	4.0	300*	10	10	500	15	35	1.0	35	MD-14	10	-65	+200	

NOTE: †† ICEO * MAX. h_{FE} * V_{CE0}