

SILICON PNP - POWER TRANSISTORS

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.					h_{FE}				(MIN.) GBW $I_C=50\text{ MA}$ $V_{CE}=10\text{ V}$ @20 MC	COB	CASE TYPE	
			I_C (AMP)	I_B (AMP)	BV_{CBQ} @280 μA (VOLT)	BV_{EBO} @100 μA (VOLT)	BV_{CEO} $BV_{CER} \blacklozenge$ (VOLT)	MAX. I_{CBO} @25° C (μA)	BIAS		MIN.				TYP (MAX)*
									V_{CE} (VOLT)	I_C (ma)					
17.5	2.0		1.0	.5	300	5.0	275	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	300	5.0	300 $\blacklozenge$	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	325	5.0	300	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	350	5.0	350 $\blacklozenge$	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	375	5.0	350	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	400	5.0	400 $\blacklozenge$	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	425	5.0	400	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	450	5.0	425	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	450	5.0	450 $\blacklozenge$	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	475	5.0	450	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	500	5.0	475	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	500	5.0	500 $\blacklozenge$	3	10	25	25	50	1.5	15	MD-14
17.5	2.0		1.0	.5	525	5.0	500	3	10	25	25	50	1.5	15	MD-14

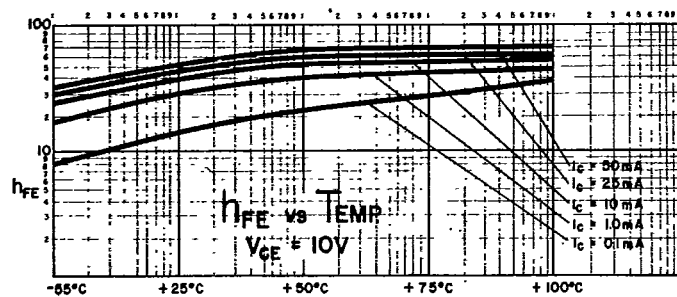
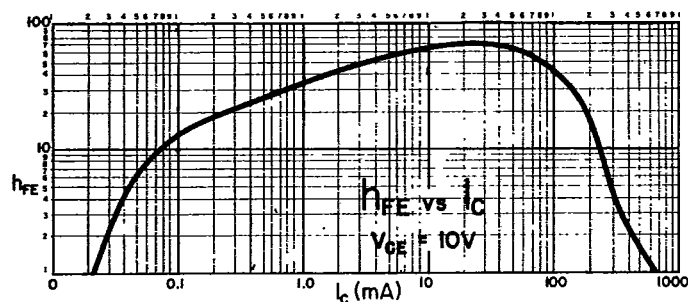
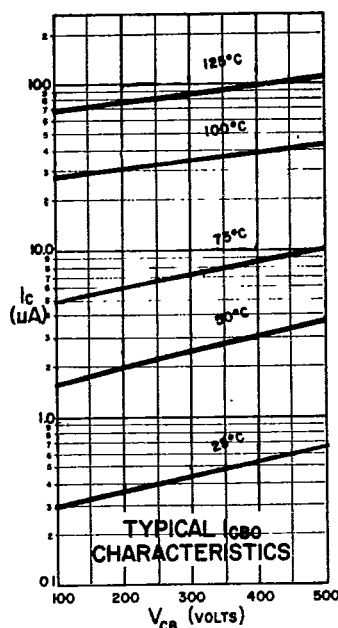
NOTE: $\uparrow$ ICEO * MAX. h_{fe} $\diamond$ BV_{CER} MAX COLL DISS W/Inf HEAT SINK 10 WATTS
TEMP RANGE -65° to +200°C**SILICON NPN - POWER TRANSISTORS TO-66**

	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air @25°C P_c (Watts)	MAX. TEMP. P.	ABSOLUTE MAX. RATINGS @25°C.					MAX. I_{CBO} @25°C (μ a)	h_{FE}				(MIN.) GBW $I_C=50$ MA $V_{CE}=10$ V @20 MC	COB	CASE TYPE
				I_C (AMP)	I_B (AMP)	BV_{CBO} @200 μ a (VOLT)	BV_{EBO} @100 μ a (VOLT)	BV_{CEO} $BV_{CER} \blacklozenge$ @200 μ a (VOLT)		BIAS		MIN.	TYP (Max*)			
										V_{CE} (VOLT)	I_C (AMP)					
2N3738	7.5	-		3.0	1.0	250	6.0	225	100	10	.1	40	200*	1.0	20	TO-66
2N3739	7.5	-		3.0	1.0	325	6.0	300	100	10	.1	40	200*	1.0	20	TO-66
TRS4016S	7.5	-		3.0	1.0	450	6.0	400	100	10	.1	40	200*	2.5	20	TO-66
2N4296	7.5	-		1.0	1.0	350	4.0	250	100	10	.05	50	150*	2.5	6	TO-66
2N4297	7.5	-		1.0	1.0	350	4.0	250	100	10	.05	75	300*	2.5	6	TO-66
2N4298	7.5	-		1.0	1.0	500	4.0	350	100	10	.05	25	75*	2.5	6	TO-66
2N4299	7.5	-		1.0	1.0	500	4.0	350	100	10	.05	50	150*	2.5	6	TO-66
TRS-2006	7.5	-		1.0	1.0	200	4.0	200 $\blacklozenge$	200	10	.05	30	300*	2.5	10	TO-66
TRS-3006	7.5	-		1.0	1.0	300	4.0	300 $\blacklozenge$	200	10	.05	30	300*	2.5	10	TO-66
TRS-4006	7.5	-		1.0	1.0	400	4.0	400 $\blacklozenge$	200	10	.05	30	300*	2.5	10	TO-66
TRS-4506	7.5	-		1.0	1.0	450	4.0	450 $\blacklozenge$	200	10	.02	30	300*	2.5	10	TO-66
TRS-5006	7.5	-		1.0	1.0	500	4.0	500 $\blacklozenge$	200	10	.02	30	300*	2.5	10	TO-66
TRS-6006	7.5	-		1.0	1.0	600	4.0	600 $\blacklozenge$	200	10	.02	30	300*	2.5	10	TO-66
TRS-7006	7.5	-		1.0	1.0	700	4.0	700 $\blacklozenge$	200	10	.02	30	300*	2.5	10	TO-66
TRS-8006	7.5	-		1.0	1.0	800	4.0	800 $\blacklozenge$	200	10	.05	30	300*	2.5	10	TO-66

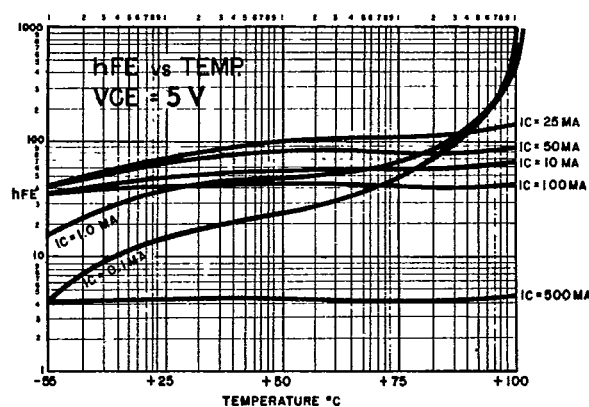
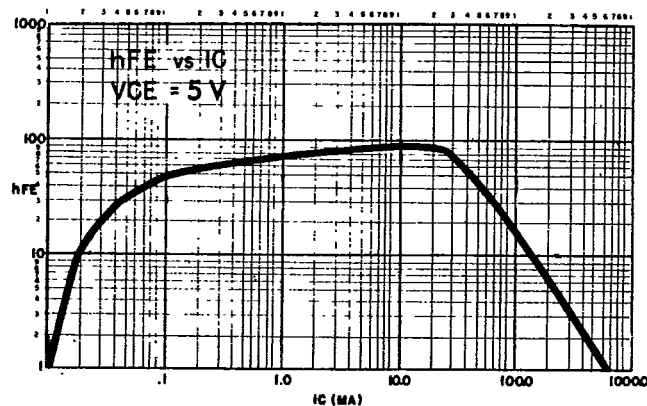
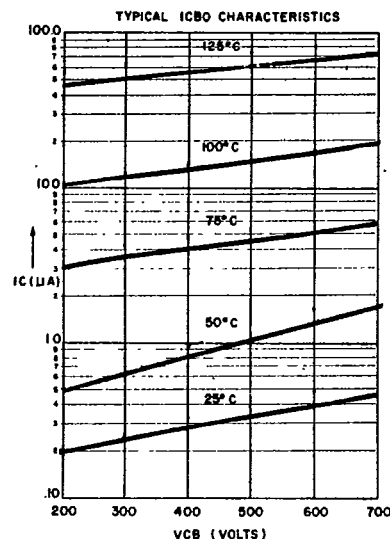
NOTE: $\uparrow$ ICEO * MAX. h_{fe} $\diamond$ BV_{CER} MAX COLL DISS W/Inf HEAT SINK 20 WATTS
TEMP RANGE -65° to +175°C

TRSP-027555-1X

PNP



NPN



TRSP-027555-2X

(212)
746-3835



HIGH VOLTAGE Semi-Conductor Specialists, Inc.
869 Yonkers Ave. • Yonkers, N. Y. 10704