

## RF DEVICES

H.F. 2-30 MHz								
Type	Polarity	V <sub>CC</sub> (V)	P <sub>OUT</sub> (W)	P <sub>IN</sub> (W)	Power Gain dB	Test frequency MHz	Collector Efficiency %	Package
S15-28	NPN	28	15	0.5	15	30	60	3/8" Flange
S30-28	NPN	28	30	1.0	15	30		3/8" Flange
2N5070	NPN	28	25	1.2	13	30	40	TO-60
S50-28	NPN	28	50	1.0	17	30	65	1/2" Flange
S100-28	NPN	28	100	2.5	16	30	65	1/2" Flange
S15-12**	NPN	12.5	15	0.5	15	30	60	3/8" Flange
S30-12**	NPN	12.5	30	1.4	9.5	30	60	3/8" Flange
S50-12**	NPN	12.5	50	3.0	12	30	65	1/2" Flange
S100-12**	NPN	12.5	100	8.5	10.6	30	65	1/2" Flange
S175-28**	NPN	28	175	7.0	14	30	65	1/2" Flange
S175-50A**	NPN	50	175	3.5	17	30	65	1/2" Flange

VHF - 30-80 MHz								
Type	Polarity	V <sub>CC</sub> (V)	P <sub>OUT</sub> (W)	P <sub>IN</sub> (W)	Power Gain dB	Test frequency MHz	Collector Efficiency %	Package
2N5071	NPN	24	24	3	9	76	60	
A15-12**	NPN	12.5	30	5	8	50		3/4" Flange
A80-12**	NPN	12.5	80	10	9	50	50	1/2" Flange
A80-12A**	NPN	12.5	80	10	9	50	60	1/2" Flange
VHF - 88-108 MHz								
FM 75	NPN	28	75	7	10	108	60	1/2" Flange
FM 150	NPN	28	150	19	9	108	65	1/2" Flange
VHF 130-175 MHz								
2N3632	NPN	28	13.5	3.5	6	175	60	TO-60
2N3553	NPN	28	2.5	0.25	10	175	50	TO-39
B15-12	NPN	12.5	15	3.5	6.3	175	60	3/8" Stud
B30-12	NPN	12.5	30	8.5	5.5	175	60	3/8" Stud
B45-12	NPN	12.5	45	15	5.5	175	60	3/8" Stud
BM80-12**	NPN	12.5	80	14	7.5	175	60	1/2" Flange
BAM20**	NPN	13.5/27	5/20	0.75/1.5	8.2	150	65	3/8" Stud
BAM40**	NPN	13.5/27	10/40	2/4	7/10	150	65	3/8" Stud
BAM80**	NPN	13.5/27	20/80	5/10	6/9	150	65	3/8" Stud
BAM120**	NPN	13.5/27	30/120	10/20	4.7/7.7	150	65	1/2" Stud

## BIAS DEVICES

Type	Source Impedance (Ohms)	Maximum O/p Current	Package
BY1-1	1	250mA	1/4" Stud
BY1-3	3	250 mA	1/4" Stud
BY1-7	7	250 mA	1/4" Stud
BY1-1F	1	250 mA	3/8" Flange
ZO-28**	0.1	3500 mA	3/8" Flange

\*\* Under development