

CERAMIC STRIP-LINE RF TRANSISTORS

T-31-01

MILITARY

- Radar
- ECM
- Telemetry
- Satellite Navigation
- Radio
- Avionics

COMMUNICATIONS

- VHF/UHF Amplifiers
- Log Amplifiers
- Satellite Communications
- Microwave Amplifiers

INSTRUMENTATION

- Wideband Preamplifiers
- Oscilloscopes
- Spectrum Analyzers
- Frequency Counters

TYPE NUMBER	MAXIMUM RATINGS			TYPICAL CHARACTERISTICS									
	V _{CE0} (V)	I _C (mA)	P ₀ (W)	f _T (GHz)	I _C (mA)	NF (dB)	f _{max} (MHz)	I _C (mA)	POWER GAIN (dB @ f _c)	500 MHz	800 MHz	1000 MHz	2000 MHz
CERAMIC STRIP-LINE – PAC-70													
NPN													
A500	15	25	0.25	5	14	2.5	1000	2	21			16	10
A510	12	35	0.25	5	30	2.0	1000	2	18			13	7.5
A550	8	20	0.18	12	14	2.5	2000	5	24			19	13
A560	15	75	0.5	5.5	75	3.3	500	50	17			11.5	
A574	10	50	0.35	7.5	15	2.5	2000	5					12.5
A590	15	25	0.25	1.3	25	3.5	500	2	16			10	
PNP													
A520	12	35	0.25	5	30	2.0	500	2	17			12	7
A522	15	75	0.5	4.6	75	3.5	500	50	15			10	
A524	15	25	0.25	5	14	2.4	500	2	20			15	9
CERAMIC STRIP-LINE – PAC-85													
NPN													
BFP90A	15	30	0.25	5	14	1.7	800	4	24	19			
BFP91A	12	50	0.35	6	30	1.6	800	4	22	18			
BFP96	15	100	0.5	4.5	50	2.5	800	10	19	15			
BFQ66	10	50	0.35	7.5	15	2.5	2000	5					12.5
PNP													
BFQ23C	12	50	0.35	5	30	2.3	800	4	19	15			
BFQ51C	15	30	0.25	5	14	2.5	800	4	21	17			
CERAMIC STRIP-LINE – PAC-100													
NPN													
A501	15	25	0.3	5	14	2.5	1000	2	21			16	10
A511	12	35	0.3	5	30	2.0	1000	2	18			13	7.5
A516	20	150	0.7	1.3	100	4	200	30	12				
A534	18	150	0.7	3.5	75	5	500	90	16				
A541	25	150	0.7	3.5	90	5	500	90	14				
A551	8	20	0.18	12	14	2.5	2000	5	24			19	13
A561	15	100	0.5	4.5	50	2.5	800	10	19			15	
A568	18	300	0.7	3.8	150							16.5	10.5
A573	10	50	0.35	7.5	15	2.5	2000	5					12.5
A591	15	25	0.3	1.3	25	3.5	500	2	16			10	
2N6602	15	25	0.37	3.5	14	3	1000	5				16	10
2N6603	15	30	0.4	5.5	10	2.9	2000	5					11
2N6604	15	30	0.5	5.5	20	4.3	2000	5					10
PNP													
A523	15	75	0.5	4.6	75	3.5	500	50	15			10	

