

GENERAL PURPOSE LINEAR TRANSISTORS

A wide selection of Class A, linear discretes complete the SGS-THOMSON product line of general purpose microwave transistors. Several Class A linear device have been qualified for JAN-S level space flight application along with higher power discrete and internally-matched power transistors.

1000-4000 MHz CLASS A LINEAR, COMMON EMITTER

PART NUMBER	FREQ. (GHz)	P _{OUT} MIN. (dBm)	GAIN MIN. (dB)	BIAS		R _{TH(j-c)} MAX. (°C/W)	C _{OB} MAX. (pF)	PACKAGE STYLE
				V _{CE} (V)	I _C (mA)			
MSC82100	1.0	27	10.5	18	100	20	3.2	S011
MSC82040	1.0	27	10.5	18	100	20	3.2	S027
SD5000	1.0	31.8	9.5	20	220	25	4.0	M122
MSC80195	2.0	28	7.5	18	140	35	3.0	S011
MSC80185	2.0	28	7.5	18	140	35	3.0	S027
MSC80196	2.0	30	7.0	18	220	17	5.0	S011
MSC80186	2.0	30	7.0	18	220	17	5.0	S027
MSC80197	2.0	31.7	6.0	18	360	8.5	7.0	S011
SD1855	2.0	34	6.0	20	440	8.5	—	M151