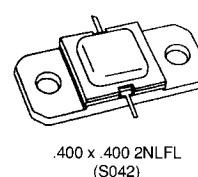
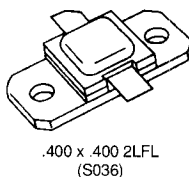
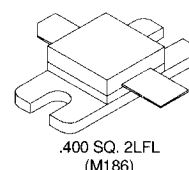
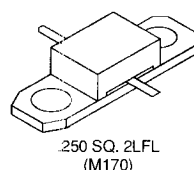
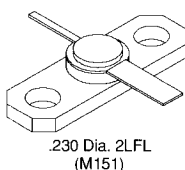
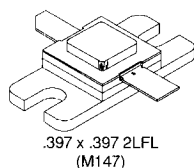


SILICON POWER TRANSISTORS

SGS-THOMSON offers a complete product line of high power devices specifically characterized for SATCOM usage in the 1500 - 1700 MHz frequency range for INMARSAT, GPS and other L-Band Satellite applications.

Devices in the product group have been qualified for hi-rel aerospace programs as well as ground and shipboard platform applications.



1500-1700 MHz CLASS C, COMMON BASE, SATCOM APPLICATIONS

PART NO.	FREQ. (GHz)	P _{OUT} MIN. (W)	P _{IN} (W)	GAIN MIN. (dB)	η _C MIN. (%)	V _{CC} (V)	R _{TH(j-c)} MAX. (°C/W)	PACKAGE STYLE
SD1891-03	1.6-1.7*	5	0.20	14.0	45	28	12	M151
SD1893-03	1.6-1.7*	10	0.80	11.0	40	28	5.5	M151
SD1897	1.6-1.7*	10	0.80	11.0	48	28	6.0	M170
SD1895-03	1.6-1.7*	20	2.4	9.2	48	28	4.0	M170
SD1888-03	1.6-1.7*	24	3.0	9.0	50	28	3.5	M170
SD1868	1.6-1.7*	30	4.0	8.8	40	28	3.0	M147
SD1898	1.6-1.7*	32	4.0	9.0	40	28	2.0	M186
SD1899	1.6-1.7*	30	3.5	9.3	45	28	2.7	M170
AM1517-012	1.5-1.7 ⁽¹⁾	12	1.7	8.5	55	28	5.5	S042
AM1517-025	1.5-1.7 ⁽¹⁾	25	3.5	8.5	55	28	3.3	S042
AM1616-050	1.62	50	10.0	7.0	45	26	1.8	S036

*Test frequency - 1.65GHz

AM1517 series band segment code(2)	
A	1500-1550MHz
M	1620-1660MHz
S	1625-1675MHz

- 1) AM1517 series vary P_{IN} to achieve P_{OUT}; performance guaranteed in 50MHz increments
2) Alpha-Suffix added to AM1517 P/N designates band segment .