

SGS-THOMSON offers a complete product line of high power devices specifically characterized for SATCOM usage in the 1600 - 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.

**1600-1700 MHz CLASS C, COMMON BASE, SATCOM APPLICATIONS**

PART NUMBER	FREQ. (GHz)	P <sub>OUT</sub> MIN. (W)	P <sub>IN</sub> (W)	GAIN MIN. (dB)	$\eta_C$ MIN. (%)	V <sub>CC</sub> (V)	R <sub>TH(j-c)</sub> MAX. (°C/W)	PACKAGE STYLE
SD1894	16.-1.7*	4.5	0.35	10.0	50	28	19.0	M170
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
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 <sup>(1)</sup>	12	1.7	8.5	55	28	5.5	S042
AM1517-025	1.5-1.7 <sup>(1)</sup>	25	3.5	8.5	55	28	3.3	S042

\*Test frequency - 1.65GHz

AM1517 series band segment code(2)	
M	1620-1660MHZ
S	1625-1675MHZ

1) AM1517 series vary P<sub>IN</sub> to achieve P<sub>OUT</sub>; performance guaranteed in 50MHz increments

2) Alpha-Suffix added to AM1517 P/N designates band segment .