

**800/900 MHz TRANSISTORS**

Specifically designed for standard mobile radio as well as cellular telephone base station applications, SGS-THOMSON 800/900 MHz transistors utilize a proven refractory-gold metallization system to ensure excellent long-term reliability and device ruggedness.

**806-960 MHz CLASS C, COMMON BASE, FM MOBILE/BASE STATION**

PART NUMBER	FREQ. (MHz)	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
SD1414	836	45	15	4.7	—	12.5	1.2	M142

**860-960 MHz CLASS AB LINEAR, COMMON EMITTER, CELLULAR BASE STATION**

PART NUMBER	FREQ. (MHz)	P <sub>OUT</sub> MIN (W)	P <sub>IN</sub> (W)	GAIN MIN (dB)	BIAS		R <sub>TH(j-c)</sub> MAX (°C/W)	C <sub>OB</sub> MAX (pF)	PACKAGE STYLE
					V <sub>CE</sub> (V)	I <sub>c</sub> (mA)			
SD1398	860-960	6	0.60	10	24	25	3.3	8.5	M142
SD1423	860-960	15	2.4	8	24	75	6.0	25	M118
SD1424	860-960	30	5.3	7.5	24	150	3.0	25	M156
SD1425	860-960	30	5.3	7.5	24	150	3.0	48	M142
SD4017	860-960	30	5.3	7.5	25	60	2.0	42*	M142
SD4701	860-960	45	6.3	8.5	26	200	1.2	45*	M169
SD1650	860-960	60	12	7	24	300	1.5	—	M169
SD4600	860-960	60	10.5	7.5	26	200	1.2	—	M173
TSD4575	800-960	75	10.5	8.5	26	200	1.20	75*	M231
SD1660	860-900	120	30	6	24	2 x 400	0.55	100	M175
SD1680	915-960	100	25	6	24	2 x 400	0.55	100	M175
SD4590	800-960	150**	24	8.5	26	2 x 150	0.60	75*	M208

\* Typical Value

\*\* PEP