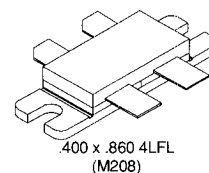
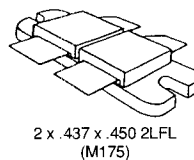
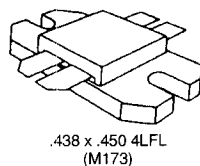
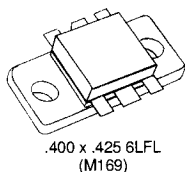
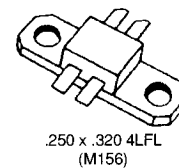
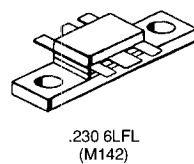
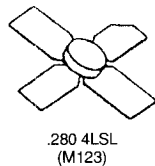
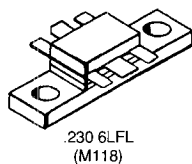


Specifically designed for standard mobile radio as well as cellular telephone base station applications, SGS-THOMSON 800/900 MHz transistors utilize a proven refractory-gold metallization system to ensure excellent long-term reliability and device ruggedness.



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

PART NO.	FREQ. (MHz)	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
SD1414	836	45	15	4.7	—	12.5	1.2	M142
SD1400-02	900	14	1.5	9.7	55 ⁽¹⁾	24	3.0	M118
SD1496	900	60	10.6	7.5	50 ⁽¹⁾	24	0.9	M142
SD1426	900	60	12	7.0	55	24	1.0	M169
SD1400-03	960	14	1.6	9.5	50	24	3.5	M118
SD1495-03	960	30	6	7.0	50	24	1.5	M142
SD1496-03	960	55	10	7.4	50 ⁽¹⁾	24	0.9	M142

(1) Typical performance

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

PART NO.	FREQ. (MHz)	P _{OUT} MIN (W)	P _{IN} (W)	GAIN MIN (dB)	BIAS		R _{TH(j-c)} MAX (°C/W)	C _{OB} MAX (pF)	PACKAGE STYLE
					V _{CE} (V)	I _C (mA)			
SD1420-01*	860-960	0.9	0.10	9.5	24	125	20	5	M123
SD1420*	860-960	2.1	0.27	9	24	200	20	5	M122
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	M142
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
SD1658	860-900	40	10	6	24	2 x 250	1.0	80	M173
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
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	26	2 x 150	0.60	75**	M208

* Class A

** Typical Value

*** PEP

† In Development