

Broadband, gold metallized transistors are characterized for UHF military communications and other wideband applications. Hi-rel screening and qualification testing is available as on all SGS-THOMSON Microelectronics RF & Microwave products.

2-400 MHz COMMON SOURCE N CHANNEL MOSFETS

PART NUMBER	FREQ. (MHz)	P _{OUT} MIN (W)	P _{IN} (W)	GAIN MIN (dB)	η_D (%)	BIAS		R _{TH(j-c)} MAX. (°C/W)	PACKAGE STYLE
						V _{DD} (V)	I _{BQ} (mA)		
SD2900	400	5	0.22	13.5	45	28	50	8.0	M113
SD2902	400	15	0.84	12.5	45	28	25	3.0	M113
SD2903	400	30	1.5	13	45	28	2 x 50	1.75	M229
SD2904	400	30	3.0	10	45	28	50	1.75	M113
SD2921	175	150	8.4	12.5	50	50	250	0.6	M174
SD2922	175	300	15.0	13	50	50	2 x 250	0.35	M176

100-500 MHz CLASS C, COMMON EMITTER

PART NUMBER	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)	C _{OB} MAX (pF)	PACKAGE STYLE
SD1470	225-400	100	20.0	7.0	60 ⁽¹⁾	28	0.70	100 ⁽¹⁾	M111
SD1463	225-400	125	25.0	7.0	60	28	0.65	—	M168

(1) Typical value

500-1000 MHz CLASS C, COMMON BASE

PART NUMBER	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
AM80610-030	620-960	30	4.2	8.5	50	28	2.6	S042