

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 _{DQ} (mA)		
SD2920	150	150	24	8	45	50	250	0.7	M174
SD2920-02	150	300	47.5	8	45	50	2 x 250	0.7	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
SD4013	225-400	25	3.15	9.0	50	28	2.5	30	M111
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
AM80610-018	620-960	18	2.5	8.6	48	28	4.0	S042
AM80610-030	620-960	30	4.2	8.5	50	28	2.6	S042

P/N CROSS REFERENCE	
INDUSTRY P/N	SD P/N
TCC0204-125	SD1463