

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 <sub>OUT</sub> MIN (W)	P <sub>IN</sub> (W)	GAIN MIN (dB)	$\eta_D$ (%)	BIAS		R <sub>TH(j-c)</sub> MAX. (°C/W)	PACKAGE STYLE
						V <sub>DD</sub> (V)	I <sub>DQ</sub> (mA)		
SD2900	400	5	0.16	15	50	28	50	10.0	M113
SD2902	400	15	0.750	13	50	28	25	3.2	M113
SD2903	400	30	1.5	13	50	28	50	1.7	M229
SD2904	400	30	1.9	12	50	28	25	1.8	M113
SD2921	175	150	7.5	13	55	50	250	0.6	M174
SD2922	175	300	15.0	13	55	50	500	0.35	M176

## 100-500 MHz CLASS C, COMMON EMITTER

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)	C <sub>OB</sub> MAX (pF)	PACKAGE STYLE
<a href="#">SD4013</a>	225-400	25	3.15	9.0	50	28	2.5	30	M111
SD1470	225-400	100	20.0	7.0	60 <sup>(1)</sup>	28	0.70	100 <sup>(1)</sup>	M111
<a href="#">SD1463</a>	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 <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
<a href="#">AM80610-030</a>	620-960	30	4.2	8.5	50	28	2.6	S042

P/N CROSS REFERENCE	
INDUSTRY P/N	SD P/N
TCC0204-125	<a href="#">SD1463</a>