

## VHF/UHF TRANSISTORS

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)		
<a href="#">SD2920</a>	150	150	24	8	45	50	250	0.7	M174
<a href="#">SD2920-02</a>	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 <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
AM80610-018	620-960	18	2.5	8.6	48	28	4.0	S042
<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>