

SGS-THOMSON VHF TV/Linear transistors are specifically designed for television broadcast transmitters requiring ultra high linearity. Refractory/gold metallization is employed to assure maximum system availability and ruggedness.

**55-88 MHz CLASS AB, COMMON EMITTER, VHF TV BAND I**

PART NUMBER	FREQ. (MHz)	P <sub>OUT</sub> MIN. (W)	P <sub>IN</sub> (W)	GAIN MIN (dB)	$\eta_C$ MIN (%)	BIAS		R <sub>TH(j-c)</sub> MAX (°C/W)	PACKAGE STYLE
						V <sub>CE</sub> (V)	I <sub>C</sub> (mA)		
<a href="#">SD1476</a>	55-88	240	20	12.0	50	32	2 x 400	0.4	M165

**174-230 MHz CLASS A, COMMON EMITTER, VHF TV BAND III**

PART NUMBER	FREQ. (MHz)	P <sub>OUT</sub> MIN (W)	P <sub>IN</sub> (W)	GAIN MIN (dB)	BIAS		IMD 3 TONES (dBC)	R <sub>TH(j-c)</sub> MAX (°C/W)	C <sub>OB</sub> MAX (pF)	PACKAGE STYLE
					V <sub>CE</sub> (V)	I <sub>C</sub> (mA)				
<a href="#">SD1458</a>	225	14	0.55	14	28	2500	-55	1.5	80	M111
<a href="#">SD1455</a>	225	20	3.2	8	25	2500	-51	1.5	85	M130
<a href="#">SD1459</a>	225	30	5.3	7.5	28	3500	-53	1.2	150	M164
SD1456*	225	100	8.0	11.0	28	2 x 100	-51	1.2	80	M168

\* Class AB

P/N CROSS REFERENCE	
INDUSTRY P/N	SD P/N
<a href="#">TCC3100</a>	<a href="#">SD1456</a>