

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)		
SD1476	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)				
SD1458	225	14	0.55	14	28	2500	-55	1.5	80	M111
SD1455	225	20	3.2	8	25	2500	-51	1.5	85	M130
SD1459	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
SD1485*	230	200	16	11.0	32	2 x 500	—	0.45	—	M175

\* Class AB

P/N CROSS REFERENCE	
INDUSTRY P/N	SD P/N
TCC3100	SD1456