

RF/Microwave Devices

Bipolar RF Transmitting Transistors

TV Transposers/Transmitters (cont.)

Type No.	Package Outline	Output Power @ d_{im} SYNC (W)	(dB)	Output Power $P_o - 1dB$ (W)	Power Gain (dB)	Supply Voltage (V)
CLASS AB, BANDS I (41-68 MHz) and III (174-230 MHz) (cont.)						
BLV36	SOT-161, flange	—	—	115	11	28
BLV38	SOT-179, flange	—	—	225	9.0	35
CLASS A, BANDS IV and V (470-860 MHz)						
BFR96S	SOT-37, plastic	0.12	-60	—	10	25
BFQ34	SOT-122, stud	0.3	-60	—	11	25
BLW32	SOT-122, stud	0.5	-60	—	11	25
BLX96	SOT-48, stud	0.5	-60	—	6	25
BFQ68	SOT-122, stud	0.7	-60	—	10	25
BLW33	SOT-122, stud	1	-60	—	10	25
BLX97	SOT-48, stud	1	-60	—	5.5	25
BLW34	SOT-122, stud	1.8	-60	—	9	25
BLW98	SOT-122, stud	3.5	-60	—	6.5	25
BLX98	SOT-48/2, stud	3.5	-60	—	5	25
BLV57	SOT-161, flange	6	-60	—	8	25
BLV58	SOT-289, flange	25	-45	—	10	25
CLASS AB, BANDS IV and V (470-860 MHz)						
BLV59	SOT-171, flange	—	—	30	7	25
BLV57	SOT-161, flange	—	—	38	6.5	25
BLV62	SOT-262, flange	—	—	150	8.5	45

RF Power MOS Transistors Philips offers an extensive range of transistors in the latest power MOS technology, a technology that has now established itself in the field of RF power for its reliability and the outstanding robustness of its products.

Type No.	Package Outline	Load Power (W)	V_{DS} (V)	Source Gain (dB)
HF SSB CLASS AB ($f=28$ MHz, $d3/d5 < -30$ dB)				
BLF145	SOT-123, flange	30	28	20 typ
BLF175	SOT-121, flange	30	50	23
BLF246	SOT-121, flange	80	28	20 typ
BLF147	SOT-121, flange	150	28	17
BLF177	SOT-121, flange	150	50	20
HF SSB CLASS A ($f=1.5-30$ MHz, $d3/d5 < -40$ dB)				
BLF242	SOT-123, flange	2	28	23 typ
BLF244	SOT-123, flange	4	28	23 typ
BLF145	SOT-123, flange	8	28	24
BLF175	SOT-123, flange	8	50	24
BLF246	SOT-121, flange	20	28	23 typ