RF/Microwave Devices

RF Power MOS Transistors (cont.)

Type No.	Package Outline	Output Power Sync (W)	V_{DS} (V)	f (MHz)	Power Gain (dB)	d_{im} (dB)	I_D (mA)
TV TRANSPOSERS (band 3, f = 174-230 MHz, Class A Operation)							
BLF346	SOT-119, flange	27	28	225	13	-52	3000
BLF348	SOT-262, flange	67	28	225	11	-52	2 × 4600
TV TRANSMITTERS (band 3, f = 174-230 MHz, Class AB Operation)							
BLF276	SOT-119D3, flange	100	50	225	13	–	50
BLF278	SOT-262, flange	250	50	225	14	–	2 × 500
BLF248	SOT-262, flange	300	28	225	10	–	2 × 250
BLF368	SOT-262, flange	300	32	225	12	–	2 × 250
BLF378	SOT-262, flange	250	50	225	14	–	2 × 500

IV

RF Power Amplifier Modules

The Philips range includes RF power modules intended primarily for VHF/UHF mobile radio systems and UHF/SHF cellular radio. These modules save considerable design effort and provide better HF performance by keeping dimensions to a minimum.

Type No.	Package Outline	Frequency Band (MHz)	Output Power (W)	Power Gain (dB)	Supply Voltage (V)
VHF (portable)					
BGY112A	SOT-288C	68 - 88	7	38.5	7.5
BGY112B	SOT-288C	132 - 156	7	38.5	7.5
BGY112C	SOT-288C	146 - 174	7	38.5	7.5
VHF (car mobile)					
BGY43	SOT-132B	148 - 174	13	19.4	12.5
BGY32	SOT-132B	68 - 88	18	22.6	12.5
BGY33	SOT-132B	80 - 108	18	22.6	12.5
BGY35	SOT-132B	132 - 156	18	20.8	12.5
BGY36	SOT-132B	148 - 174	18	20.8	12.5
BGY145B	SOT-183	146 - 174	28	19.7	12.5
BGY145A	SOT-183	68 - 88	29	22.9	12.5
UHF (portable)					
BGY46A	SOT-181	400 - 440	1.4	15.0	9.6
BGY46B	SOT-181	430 - 470	1.4	15.0	9.6
BGY47A	SOT-181	400 - 470	2	16.0	7.5
BGY47A	SOT-181	400 - 470	3.2	18.0	9.6
BGY113A	SOT-288D	400 - 440	7	38.5	7.5
BGY113B	SOT-288D	430 - 470	7	38.5	7.5
SHF (portable)					
BGY115A	SOT-321	824 - 849	1.2	27.8	6.0
BGY115B	SOT-321	872 - 905	1.2	27.8	6.0
BGY115C	SOT-321	890 - 915	1.6	29	6.0
BYG118A	SOT-321	824 - 849	1.2	27.8	4.8
BYG118B	SOT-321	872 - 905	1.2	27.8	4.8
BGY110D	SOT-246	824 - 849	1.7	32.3	7.2
BGY110E	SOT-246	872 - 905	1.7	32.3	7.2
BGY110F	SOT-246	890 - 915	1.7	32.3	7.2

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