

Bipolar RF Transmitting Transistors

The Philips range of fixed/mobile radio and transposer/transmitting transistors is one of the widest available, with frequencies from 150 kHz to 1.5 GHz, output powers from 100 mW to 300W and over thirty package options.

Bipolar RF Transmitting Transistors HF Single Sideband, 1.6-30MHz

Type No.	Package Outline	Load Power PEP (w)	Power Gain (dB)	Supply Voltage (v)
Class A, intermodulation distortion: $d_3, d_5 < -40$ dB				
BLV10	SOT-123, flange	1	18	12
BLY87C	SOT-120, stud	1	18	12
BLV20	SOT-123, flange	1.3	20	26
BLY91A	SOT48/2, stud	1.3	20	26
BLY91C	SOT-120, stud	1.3	20	26
BLV11	SOT-123, flange	2	18	12
BLY88C	SOT-120, stud	2	18	12
BLV21	SOT-123, flange	2.5	20	26
BLY92A	SOT48/2, stud	2.5	20	26
BLY92C	SOT-120, stud	2.5	20	26
BLW87	SOT-123, flange	6	18	12
BLY89C	SOT-120, stud	6	18	12
BLX13	SOT-56, stud	8	18	26
BLX13C	SOT-120, stud	8	20	26
BLW83	SOT-123, flange	10	20	26
BLX39	SOT-120, stud	15	20	26
BLW50F	SOT-123, flange	16	19.5	45
BLW86	SOT-123, flange	17	22	26
BLW78	SOT121, flange	35	19.5	26
BLW96	SOT121, flange	50	19	40
Class AB, intermodulation distortion: $d_3, d_5 < -30$ dB				
BLV11	SOT-123, flange	10	18	13.5
BLY88C	SOT-120, stud	10	18	13.5
BLV21	SOT-123, flange	10	20	28
BLY92A	SOT-48/2, stud	10	20	28
BLY92C	SOT-120, stud	10	20	28
BLW87	SOT-123, flange	15	18	13.5
BLY89C	SOT-120, stud	15	18	13.5
BLW83	SOT-123, flange	25	20	28
BLX13	SOT-56, stud	25	18	28
BLX13C	SOT-120, stud	25	20	28
BLW85	SOT-123, flange	30	19.5	12.5
BLW60C	SOT-120, stud	30	19.5	12.5
BLX39	SOT-120, stud	37.5	19	28
BLW86	SOT-123, flange	42.5	19	28
BLX14	SOT-55, stud	50	13	28
BLW50F	SOT-123, flange	65	18	50
BLW99	SOT-121, flange	80	12.5	12.5
BLW76	SOT-121, flange	80	13	28
BLW78	SOT-121, flange	100	19	28
BLW77	SOT-121, flange	130	12	28
BLX15	SOT-55, stud	150	14	50
BLW95	SOT-121, flange	160	14	50
BLW97	SOT-121, flange	175	11.5	28
BLW96	SOT-121, flange	200	13.5	50