

RF/Microwave Devices

Bipolar RF Transmitting Transistors SHF 900 MHz

Type No.	Package Outline	Load Power (W) @ 900 MHz	Power Gain (dB) @ 900 MHz	Supply Voltage (V)
Class B, 7.5-9.6 Supply (portable mobile)				
BFR90A	SOT-37, plastic	0.075	7.5	7.5
BFG90A	SOT-103, plastic	0.075	9.5	7.5
BFR91A	SOT-37, plastic	0.16	7	7.5
BFG91A	SOT-103, plastic	0.16	9	7.5
BLU98	SOT-103, plastic	0.4	6.8	7.5
BLV90	SOT-172, stud	0.75	5.3	7.5
BLT80	SOT-223, SMD	0.8	6	7.5
BLT81	SOT-223, SMD	1.2	6	7.5
BLV90/SL	SOT-172D, studless	1	7	9.6
BLV91/SL	SOT-172D, studless	1.5	7	9.6
BLV91	SOT-172, stud	1.5	4.3	7.5
BLV92	SOT-171, flange	3	5.8	7.5
BLT90/SL	SOT-172D, studless	0.75	7	7.5
BLT91/SL	SOT-172D, studless	1.5	7.5	7.5
BLT92/SL	SOT-122D, studless	3	7	7.5
BLT93/SL	SOT-122D, studless	6	5.5	7.5
Class B, 12.5V (car mobile)				
BLU98	SOT-103, plastic	0.5	8.5	12.5
BLU86	SOT-223, SMD	1	7	12.5
BLV90	SOT-172, stud	1	7.5	12.5
BLV90/SL	SOT-172D, studless	1	7.5	12.5
BLV91	SOT-172, stud	2	6.5	12.5
BLV91/SL	SOT-172D, studless	2	6.5	12.5
BLU99	SOT-122, stud	4	7	12.5
BLU99/SL	SOT-122D, studless	4	7	12.5
BLV92	SOT-171, flange	4	7.5	12.5
BLV93	SOT-171, flange	8	6.5	12.5
BLV193	SOT-171, flange	12	6.5	12.5
BLV94	SOT-171, flange	15	6	12.5
BLV194	SOT-171, flange	16	6	12.5
BLV95	SOT-171, flange	22	5.5	12.5

* @ 960 MHz

Bipolar RF Transmitting Transistors SHF 900 - 960 MHz

Type No.	Package Outline	Load Power (W) @ 900 MHz	Power Gain (dB) @ 900 MHz	Supply Voltage (V)
Class AB and Class B, 24-26V (base stations)				
BLV99	SOT-172, stud	2	9	24
BLV99/SL	SOT-172D, studless	2	8	24
ON4612	SOT-122D, studless	2	8	24
BLV103	SOT-171, flange	4*	11.5*	24
BLV100	SOT-171, flange	8*	8*	24
BLV98	SOT-171, flange	14	8.5	24
BLV98CE	SOT-171, flange	15*	7.5*	24
BLV97	SOT-171, flange	30	7	24
BLV945A	SOT-324, flange	30(PEP)	10	25

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