




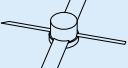










Broadcast Product Portfolio

Type	Package*	Frequency Band (MHz)	IMD3 Intermodulation Distortion (dBc)	Output Power (W)	Voltage (V)	Power gain (dB)	Drain Efficiency η (%)	Application
UHF LDMOS (470-680 MHz)								
BLF872	SOT800A	470-860	-28	300	32	16.5	55	TV transmitter
BLF861A	SOT540A	470-860	-25	150	32	15	55	TV transmitter
BLF647	SOT540A	0-600	-30	150	32	16	55	Various, eg. Mil. Comms
BLF2045	SOT467C	0-2000	-25	30	26	>10	>30	Various
BLF1822-10	SOT467C	0-2200	-33	10	26	>11	>30	Various
BLF1043	SOTS38A	0-960	-31	10	26	>16	>45	Various
UHF VDMOS (470-680 MHz)								
BLF548	SOT262A	500	-	150	28	11	55	Various, eg. PMR
BLF546	SOT268A	500	-	80	28	13	60	Various, eg. PMR
BLF544	SOT171A	500 - 960	-	20	28	14	60	Various, eg. PMR
BLF542	SOT171A	500	-	5	28	16.5	60	Various, eg. PMR
BLF404	SOT409	500	-	4	12.5	11.5	55	Various, eg. PMR
BLF521	SOT172D	500	-	2	12.5	13	60	Various, eg. PMR
VHF LDMOS (<500 MHz)								
BLF647	SOT540A	600	-30	150	32	16	55	VHF transmitter
BLF369	SOT800A	500	-28	500	32	20	60	VHF transmitter
VHF VDMOS (<500 MHz)								
BLF368	SOT262A	225	-	300	32	13.5	62	VHF transmitter
BLF278	SOT262A	225	-	250	50	16	55	VHF transmitter
BLF248	SOT262A	225	-	300	28	13	67	VHF transmitter
BLF177	SOT121B	28 - 108	-30	150	50	19	70	VHF transmitter
BLF147	SOT121B	28 - 108	-30	150	28	18	70	VHF transmitter
BLF246	SOT121B	108	-	80	28	18	65	VHF transmitter
BLF246B	SOT161A	175	-	60	28	19	65	VHF transmitter
BLF346	SOT119A	225	-52	30	28	16.5	-	VHF transmitter
BLF245B	SOT279A	175	-	30	28	18	65	VHF transmitter
BLF245	SOT123A	175	-	30	28	15.5	65	VHF transmitter
BLF175	SOT123A	28 - 108	-35	30	50	20	65	VHF transmitter
BLF244	SOT123A	175	-	15	28	17	65	VHF transmitter
BLF242	SOT123A	175	-	5	28	16	60	VHF transmitter
BLF404	SOT409A	500	-	4	12.5	11.5	55	VHF transmitter
BLF202	SOT409A	175	-	2	12.5	13	55	VHF transmitter

* See page 2 for package diagrams

Type	Package*	Frequency Band (MHz)	IMD3 Intermodulation Distortion (dBc)	Output Power (W)	Voltage (V)	Power gain (dB)	Drain Efficiency η (%)	Application
HF LDMOS (10-108 MHz)								
BLF647	SOT540A	600	-30	150	32	16	55	VHF transmitter
BLF369	SOT800A	500	-	500	32	20	60	VHF transmitter
HF VDMOS (10-108 MHz)								
BLF177	SOT121B	28 - 108	-30	150	50	19	70	HF transmitter
BLF175	SOT123A	28 - 108	-35	30	50	20	65	HF transmitter
BLF145	SOT123A	28	-35	30	28	27	40	HF transmitter
BLF242	SOT123A	175	-	5	28	16	60	HF transmitter
BLF202	SOT409A	175	-	2	12.5	13	55	HF transmitter

Packages						
						
SOT119A	SOT121B	SOT123A	SOT161A	SOT171A	SOT172D	SOT262A
						
SOT268A	SOT279A	SOT409A	SOT467C	SOT538A	SOT540D	SOT800A

Philips Semiconductors

Philips Semiconductors is one of the world's top semiconductor suppliers, with 20 manufacturing and assembly sites and a sales organization that delivers in 60 countries.

For a complete up-to-date list of our sales offices please visit our website <http://www.semiconductors.philips.com/sales>

©2006 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner.

The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent- or other industrial or intellectual property rights.

Date of release: May 2006

Document order number: 9397 750 15582

Printed in the Netherlands

