

FLL, FLH, FLHG, FLG Breitband HF-Leistungsverstärker Broadband RF-Power-Amplifieres

5...200 Watt · 10 kHz...2GHz



Für Störfestigkeitsprüfungen nach IEC (EN) 61000-4-3/6
100% Fehlanpassungstoleranz
Standby-Schalter / Steuereingang für Türkontaktschalter

For immunity tests acc. to IEC (EN) 61000-4-3/6
100% mismatch tolerance
Standby-switch / Control-input for remote switch



FRANKONIA

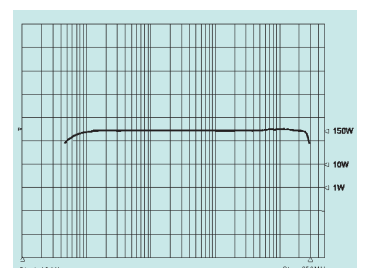
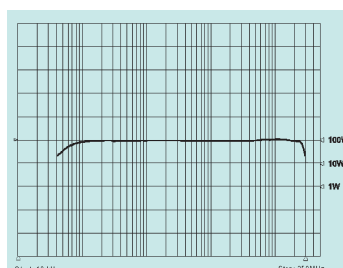
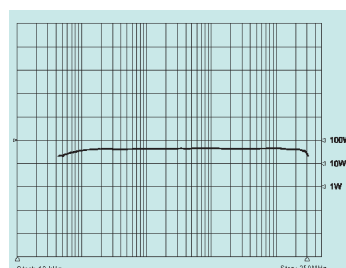
Frequenzbereich Frequency-range

10kHz...230MHz

Typ	FLL 25	FLL 75	FLL 125
Frequenzbereich Frequency-range	(10)100kHz-230MHz	(10)100kHz-230MHz	(10)100kHz-230MHz
Ausgangsleistung, CW Output power, cw	25W	75W	125W
Ausgangsleistung, max. Output power, max.	60W	130W	160W
Welligkeit typ. Flatness typ.	$\leq \pm 1,0$ dB	$\leq \pm 1,0$ dB	$\leq \pm 1,0$ dB
Welligkeit max. Flatness max.	$\leq \pm 1,5$ dB	$\leq \pm 1,5$ dB	$\leq \pm 1,5$ dB
Einspeisung für Leistung nom. Input for nom. output power	1,0 mW (0 dBm)	1,0 mW (0 dBm)	1,0 mW (0 dBm)
Gain max. Gain max.	47 dB	51 dB	52 dB
Eingangsimpedanz typ. Input impedance typ.	50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1
Ausgangsimpedanz Output impedance	50 Ohm nom.	50 Ohm nom.	50 Ohm nom.
Fehlanpassungstoleranz Mismatch tolerance	100%	100%	100%
Betriebsart Operating mode	A/AB	A/AB	A/AB
Modulation Modulation	Beliebig any	Beliebig any	Beliebig any
HF - Ein-, Ausgang RF-In-/Output	N/N	N/N	N/N
Kühlung Cooling	Zwangselüftet forced air	Zwangselüftet forced air	Zwangselüftet forced air
Gewicht Weight	14,5 Kg	14,5 Kg	17,5 Kg
Gehäuse Chassis	19" – 3HE	19" – 3HE	19" – 3HE
Betriebsspannung Operating voltage	88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz
Leistungsaufnahme Power consumption	120W nom., 200W max.	290W nom., 580W max.	350W nom., 700W max.

Ausgangsleistung
nominal bei
0 dBm Eingangspegel

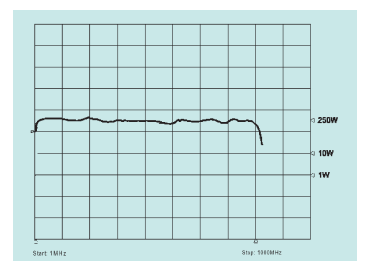
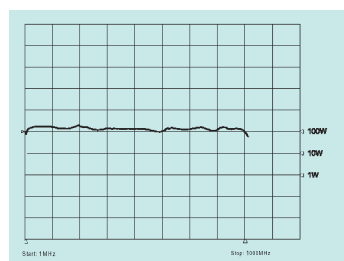
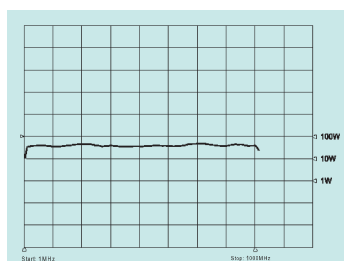
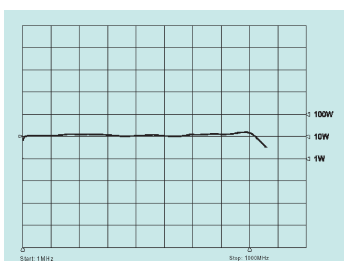
Output power nominal
at 0 dBm input



Frequenzbereich Frequency-range

26MHz...1000MHz

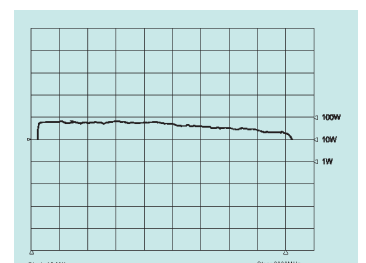
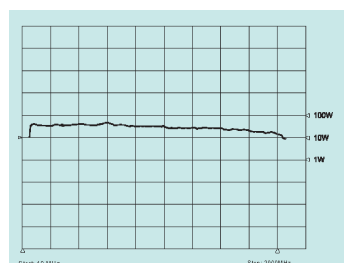
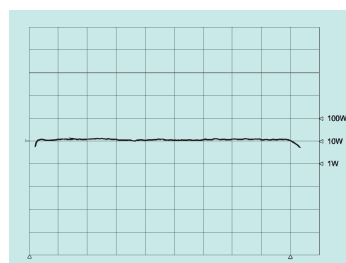
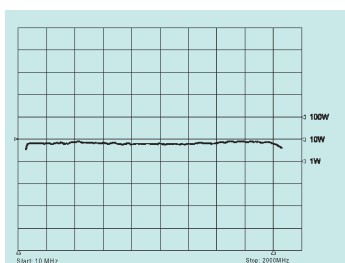
FLH 10	FLH 30	FLH 100	FLH 200
26MHz-1000MHz	26MHz-1000MHz	(26)80MHz-1000MHz	80MHz-1000MHz
10W	30W	100W	200W
25W	60W	200W	280W
<± 1,0 dB	<± 1,0 dB	<± 1,5 dB	<± 1,5 dB
<± 1,5 dB	<± 1,5 dB	<± 2,0 dB	<± 2,0 dB
1,0 mW (0 dBm)	1,0 mW (0 dBm)	1,0 mW (0 dBm)	1,0 mW (0 dBm)
43 dB	48 dB	53 dB	54 dB
50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1
50 Ohm nom.	50 Ohm nom.	50 Ohm nom.	50 Ohm nom.
100%	100%	100%	100%
A/AB Beliebig any	A/AB Beliebig any	A/AB Beliebig any	A/AB Beliebig any
N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air
8,5 Kg	14,5 Kg	30,0 Kg	60,0 Kg
19" – 3HE	19" – 3HE	19" – 4HE	19" – 5HE
88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz
100W nom., 160W max	280W nom., 500W max.	1000W nom., 1250W max.	2000W nom., 2500W max.



Frequenzbereich
Frequency-range

80MHz...2GHz

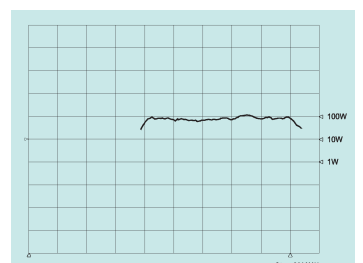
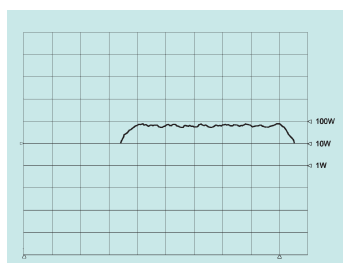
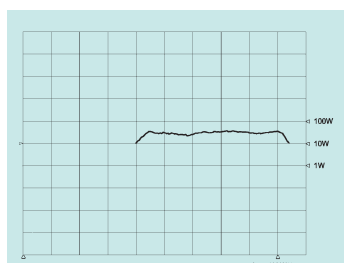
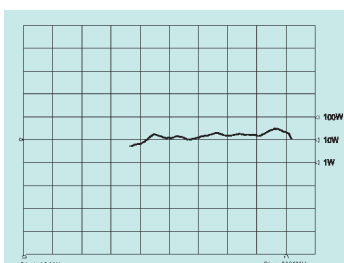
FLHG 5	FLHG 10	FLHG 30/20	FLHG 50/35
80MHz-2GHz	80MHz-2GHz	80MHz-2GHz	80MHz-2GHz
5W	10W	30W \leq 1GHz 20W \geq 1GHz	50W \leq 1GHz 35W \geq 1GHz
10W	25W	60W \leq 1GHz 35W \geq 1GHz	100W \leq 1GHz 60W \geq 1GHz
< \pm 1,5 dB	< \pm 2,0 dB	< \pm 2,0 dB	< \pm 2,0 dB
< \pm 2,0 dB	< \pm 2,5 dB	< \pm 2,5 dB	< \pm 2,5 dB
1,0 mW (0 dBm)	1,0 mW (0 dBm)	1,0 mW (0 dBm)	1,0 mW (0 dBm)
40 dB	44 dB	48 dB	51 dB
50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1
50 Ohm nom.	50 Ohm nom.	50 Ohm nom.	50 Ohm nom.
100%	100%	100%	100%
A/AB Beliebig any	A/AB Beliebig any	A/AB Beliebig any	A/AB Beliebig any
N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air
8,5 Kg	8,5 Kg	14,5 Kg	14,5 Kg
19" – 3HE	19" – 3HE	19" – 3HE	19" – 3HE
88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz
30W nom., 160W max	100W nom., 150W max.	170W nom., 350W max.	170W nom., 350W max.



Frequenzbereich
Frequency-range

1GHz...2GHz

FLG 10	FLG 25	FLG 50	FLG 75
1GHz-2GHz	1GHz-2GHz	1GHz-2GHz	1GHz-2GHz
10W	25W	50W	75W
25W	60W	100W	150W
<± 1,5 dB	<± 1,5 dB	<± 1,5 dB	<± 1,5 dB
<± 2,0 dB	<± 2,0 dB	<± 2,0 dB	<± 2,0 dB
1,0 mW (0 dBm)	1,0 mW (0 dBm)	1,0 mW (0 dBm)	1,0 mW (0 dBm)
43 dB	46 dB	51 dB	53 dB
50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1	50 Ohm, VSWR<1,5:1
50 Ohm nom.	50 Ohm nom.	50 Ohm nom.	50 Ohm nom.
100%	100%	100%	100%
A/AB Beliebig any	A/AB Beliebig any	A/AB Beliebig any	A/AB Beliebig any
N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air	N/N Zwangsbelüftet forced air
8,5 Kg	8,5 Kg	14,5 Kg	14,5 Kg
19" – 3HE	19" – 3HE	19" – 3HE	19" – 3HE
88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz	88-264 V/AC, 50-60 Hz
100W nom., 160W max	120W nom., 210W max.	170W nom., 330W max.	270W nom., 460W max.



Frankonia Headoffice:

Rambacher Straße 2 • D-91180 Heideck • Germany
Phone ++ 49 (0) 9177/98 500 • Fax ++ 49 (0) 9177/98 520
<http://www.frankonia-emc.com> • e-mail: info@frankonia-emc.com

S.I.D.T.-EUROPE:

14 rue Albert Einstein • CHAMPS SUR MARNE • France
Phone ++33 (0) 1 64 68 06 04 • Fax ++33 (0) 1 64 61 62 12
e-mail: sidt.europe@wanadoo.fr

Frankonia EMV Mess-Systeme:

Weiheweg 14 • 96199 Zapfendorf • Germany
Phone ++ 49 (0) 95 47/94 01 0 • Fax ++ 49 (0) 95 47/94 01 20
<http://www.frankonia-emc.com> • e-mail: frankonia.emv@t-online.de



FRANKONIA



FRANKONIA
EMV-Mess-Systeme GmbH

