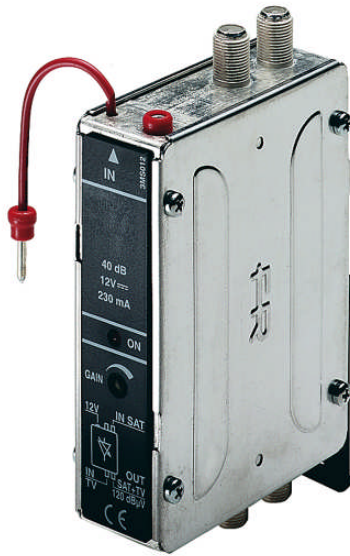


Channel amplifiers

KF

K SERIES



Channel amplifiers with five resonant circuits for VHF modules and four for UHF modules.

The SMD amplification card ensures a high degree of reliability and repeatability.

Insensitive to static discharge and temperature change, stability has been taken into account during the design phase.

Characteristics:

- Channel amplifiers calibrated on the frequency requested by the customer;
- 95dB μ V maximum output level for each channel
- 5 resonant circuits in VHF band and 4 in UHF allows very good filtering selectivity.
- Stabilization circuit to keep constant the internal temperature and maintain the filtering properties.
- Die-cast silver plated housing to guarantee a solid mechanical structure and improve filtering performances.
- Available for analogue terrestrial signals (KF/...) or digital terrestrial signals (KF/...DT)

Mandatory accessories not included

Fracarro Code	Item	Descriptions
289485	KPR37	Plug-in "F" quick shielded bridges, 37mm
289486	KPR41	Plug-in "F" quick shielded bridges, 41 mm
289539	KD100	Standard galvanized DIN BAR

		KF/..				KF/.. .DT		
Fracarro Code		2701xx				2701xxDT		
Channels		E2 - E4	FM	E5 - E12	E21 - E69	E5 - E12, E21 - E69		
Gain		9	9	9	11	11		
Gain adjustment		45	45	45	35	35		
Selectivity	SCn-2	dB	35	-	40	42	>38	
	SCn-1		5	-	5	10	>8	
	VCn+1		9	-	10	16	>11	
	VCn+2		35	-	44	46	>42	
Return loss	Input	dB	10					
	output		10					
Noise figure		dB	7	4	9	10	10	
Max output level		dB μ V	93	90	95	95	95	
Mains supply		V	12					
Absorption		mA	20	20	20	38	38	
Dimensions (LxHxD)		mm	32 x 129 x 86					
Operating temperature		°C	-10 – +55					

xx = number of the channel e.g. KF/E22 cod. 270122, KF/E31.DT cod. 270131DT

		KF/..							
Fracarro Code		270172*	270185*	270186*	270187*	270058	270060		
Channels		S11 - S20	S21 - S24	S25 - S30	S31 - S38	DAB (217-230 MHz)	DAB1 (195-223 MHz)		
Gain		7	11	11	11	14	14		
Gain adjustment		30	35	35	35	45	45		
Selectivity	SCn-2	dB	35	42	42	42	-	-	
	SCn-1		5	10	10	10	-	-	
	VCn+1		10	16	16	16	-	-	
	VCn+2		40	46	46	46	-	-	
Return loss	Input	dB	10						
	output		10						
Noise figure		dB	10	9	9	9	9	9	
Max output level		dB μ V	95	95	95	95	100	100	
Mains supply		V	12						
Absorption		mA	20	38	38	38	9	9	
Dimensions (LxHxD)		mm	32 x 129 x 86						
Operating temperature		°C	-10 – +55						

* = specify the channel required in the order

Fracarro Radioindustrie S.p.A.
via Cazzaro, 3
31033 Castelfranco Veneto (TV)
Italy
tel. +39 0423 7361
fax +39 0423 736220
www.fracarro.com
info@fracarro.com

Fracarro (UK) Ltd
Unit A.
Ibex House, Keller Close
Kiln Farm, Milton Keynes.
MK11 3LL
UK
Tel. +44(0)1908 571571
Fax +44(0)1908 571570

Fracarro Ibérica
Polígono Táctica "Ciudad
de los negocios"
C/2A, nº 4 - 46980
Paterna - Valencia
Tel. +34/961340104
Fax. +34/961340691

Fracarro France S.A.S.
14 bis rue du Ratriat
92158 Suresnes Cedex
France
Tel. +33 1 47283400
Fax +33 1 47283421

Fracarro Tecnologia e
Antenas de Televisao Lda
Rua Alexandre Herculano, nº1-1ºB
Edifício Central Park
2795-242 Linda-a-Velha
Portugal
Tel.: +351214156800
Fax: +351214156809

Fracarro Code	Item	Packaging	Quantity	Dimensions	Weight	Total Weight
			pcs	mm	kg	kg
2701xx	KF/..	single	1	32 x 129 x 86	0.380	0.380
2701xxDT	KF/..DT	single	1	32 x 129 x 86	0.380	0.380
270172	KS/S11-S20	single	1	32 x 129 x 86	0.380	0.380
270185	KS/S21-S24	single	1	32 x 129 x 86	0.380	0.380
270186	KS/S25-S30	single	1	32 x 129 x 86	0.380	0.380
270187	KS/S31-S38	single	1	32 x 129 x 86	0.380	0.380
270058	KF/DAB	single	1	32 x 129 x 86	0.380	0.380
270060	KF/DAB1	single	1	32 x 129 x 86	0.380	0.380

Fracarro Radioindustrie S.p.A.
via Cazzaro, 3
31033 Castelfranco Veneto (TV)
Italy
tel. +39 0423 7361
fax +39 0423 736220
www.fracarro.com
info@fracarro.com

Fracarro (UK) Ltd
Unit A.
Ibex House, Keller Close
Kiln Farm, Milton Keynes.
MK11 3LL
UK
Tel. +44(0)1908 571571
Fax +44(0)1908 571570

Fracarro Ibérica
Poligono Táctica "Ciudad
de los negocios"
C/2A, nº 4 - 46980
Paterna - Valencia
Tel. +34/961340104
Fax. +34/961340691

Fracarro France S.A.S.
14 bis rue du Retrait
92158 Suresnes Cedex
France
Tel. +33 1 47283400
Fax +33 1 47283421

Fracarro Tecnologia e
Antenas de Televisao Lda
Rua Alexandre Herculano, nº1-1ºB
Edifício Central Park
2795-242 Linda-a-Velha
Portugal
Tel.: +351214156800
Fax: +351214156809

120dB μ V channel amplifiers**K120****K SERIES**

Channel amplifiers with five resonant circuits for VHF modules and four for UHF modules.

Very high output level (120dB μ V) with 45dB maximum gain and high adjustment level.

The SMD amplification card ensures a high degree of reliability and repeatability.

Insensitive to static discharge and temperature change, stability has been taken into account during the design phase.

Characteristics:

- Channel amplifiers calibrated on the frequency requested by the customer;
- 120dB μ V output level for each channel
- Very high gain level (45dB) and adjustment (40dB in VHF band, 30dB in S-band and UHF-band).
- Stabilization circuit to keep constant the internal temperature and maintain the filtering properties.
- 5 resonant circuits in VHF band and 4 in UHF allows very good filtering selectivity.
- Die-cast silver plated housing to guarantee a solid mechanical structure and improve filtering performances.
- Available for analogue terrestrial signals (K120/...) or digital terrestrial signals (K120/...DT)

Mandatory accessories not included

Fracarro Code	Item	Descriptions
289485	KPR37	Plug-in "F" quick shielded bridges, 37mm
289486	KPR41	Plug-in "F" quick shielded bridges, 41mm
289539	KD100	Standard galvanized DIN BAR

		K120/..					K120/.. .DT	
Fracarro Code		2702xx					2702xxDT	
Channels		E2 - E4	FM	DAB1 (195-223MHz)	E5 - E12	E21 - E69	E5 - E12, E21 - E69	
Gain		dB	45	40	45	45	45	
Gain adjustment		dB	40	40	40	40	30	
Selectivity	SCn-2	dB	35	-	-	40	42	>38
	SCn-1		5	-	-	5	10	>8
	VCn+1		9	-	-	10	16	>11
	VCn+2		35	-	-	44	46	>42
Return loss	Input	dB	10					
	output		10					
Noise figure		dB	8	5	-	9	9	9
Max output level		dBμV	120	112	120	120	120	115
Mains supply		V	12					
Absorption		mA	180	200	180	180	200	200
Dimensions (LxHxD)		mm	32 x 129 x 86					
Operating temperature		°C	-10 - +55					

xx = number of the channel e.g. K120/E22 cod. 270222, K120/E31.DT cod. 270231DT

		K120/..								
Fracarro Code		270293*	270294*	270280*	270281*	270288*	270289*	270290*	270295*	
Channels		S1	S5	S11	S16	S21	S25	S31	S39	
		-	-	-	-	-	-	-	-	
		S4	S10	S15	S20	S24	S30	S38	S41	
Gain	dB	45	45	45	45	40	40	40	40	
Gain adjustment	dB	40	40	30	30	30	30	30	30	
Selectivity	SCn-2	dB	40	40	35	35	42	42	42	42
	SCn-1		5	5	5	5	10	10	10	10
	VCn+1		10	10	10	10	16	16	16	16
	VCn+2		44	44	40	40	46	46	46	46
Return loss	Input	dB	10							
	output		10							
Noise figure		dB	9	9	10	10	9	9	9	9
Max output level		dBμV	120	120	120	120	120	120	120	120
Mains supply		V	12							
Absorption		mA	180	180	200	200	200	200	200	200
Dimensions (LxHxD)		mm	32 x 129 x 86							
Operating temperature		°C	-10 - +55							

* = specify the channel required in the order

Fracarro Radioindustrie S.p.A.
via Cazzaro, 3
31033 Castelfranco Veneto (TV)
Italy
tel. +39 0423 7361
fax +39 0423 736220
www.fracarro.com
info@fracarro.com

Fracarro (UK) Ltd
Unit A.
Ibex House, Keller Close
Kiln Farm, Milton Keynes.
MK11 3LL
UK
Tel. +44(0)1908 571571
Fax +44(0)1908 571570

Fracarro Ibérica
Polígono Táctica "Ciudad
de los negocios"
C/2A, nº 4 - 46980
Paterna - Valencia
Tel. +34/961340104
Fax. +34/961340691

Fracarro France S.A.S.
14 bis rue du Retrait
92158 Suresnes Cedex
France
Tel. +33 1 47283400
Fax +33 1 47283421

Fracarro Tecnologia e
Antenas de Televisao Lda
Rua Alexandre Herculano, nº1-1ºB
Edifício Central Park
2795-242 Linda-a-Velha
Portugal
Tel.: +351214156800
Fax: +351214156809

Fracarro Code	Item	Packaging	Quantity	Dimensions	Weight	Weight
			pcs	mm	kg	kg
2702xx	K120/..	single	1	32 x 129 x 86	0.400	0.400
2702xxDT	K120/..DT	single	1	32 x 129 x 86	0.400	0.400
270278	K120/DAB1	single	1	32 x 129 x 86	0.400	0.400
270293	K120/S1-S4	single	1	32 x 129 x 86	0.400	0.400
270294	K120/S5-S10	single	1	32 x 129 x 86	0.400	0.400
270280	K120/S11-S15	single	1	32 x 129 x 86	0.400	0.400
270281	K120/S16-S20	single	1	32 x 129 x 86	0.400	0.400
270288	K120/S21-S24	single	1	32 x 129 x 86	0.400	0.400
270289	K120/S25-S30	single	1	32 x 129 x 86	0.400	0.400
270290	K120/S31-S38	single	1	32 x 129 x 86	0.400	0.400
270295	K120/S39-S41	single	1	32 x 129 x 86	0.400	0.400

Fracarro Radioindustrie S.p.A.
via Cazzaro, 3
31033 Castelfranco Veneto (TV)
Italy
tel. +39 0423 7361
fax +39 0423 736220
www.fracarro.com
info@fracarro.com

Fracarro (UK) Ltd
Unit A.
Ibex House, Keller Close
Kiln Farm, Milton Keynes.
MK11 3LL
UK
Tel. +44(0)1908 571571
Fax +44(0)1908 571570

Fracarro Ibérica
Poligono Táctica "Ciudad
de los negocios"
C/2A, nº 4 - 46980
Paterna - Valencia
Tel. +34/961340104
Fax. +34/961340691

Fracarro France S.A.S.
14 bis rue du Retrait
92158 Suresnes Cedex
France
Tel. +33 1 47283400
Fax +33 1 47283421

Fracarro Tecnologia e
Antenas de Televisao Lda
Rua Alexandre Herculano, nº1-1ºB
Edifício Central Park
2795-242 Linda-a-Velha
Portugal
Tel.: +351214156800
Fax: +351214156809