

Mid level headends

K Series

Channel amplifiers with automatic gain control (AGC)

K120A/..
KFB..
KF-K120L-K120A/...DT

Channel amplifiers with five resonant circuits for VHF and UHF bands. Excellent selectivity allows the distribution of adjacent channels. The automatic gain control gives a constant output level even with a varying input level. Essential in conditions where the signal reception level may vary and also useful in CATV networks with cascaded line amplifiers and for the inputs of fibre optic links. Operating temperature: -10° to +55°C. Packaging 1 pc.



Dimensions
32x129x86mm

Item	Code	Max. input level dB μ V	Selectivity dB Standard B/G*				Output level adj. dB μ V	AGC dynamic (max.) dB	Noise figure dB	Channels	Max. power consumption mA
			ACn-2	ACn-1	VCn-1	VCn-2					
K120A/..	2707xx	90	42	12	18	46	110-120	25	8	E2-E4	210@12VDC
		95	42	12	18	46	110-120	30	9	E5-E12	210@12VDC
		95	42	12	18	46	110-120	30	10	E21-E69	210@12VDC

K Series

Band amplifiers

These are provided with three channel traps to equalise the input channels or to eliminate unwanted channels. Each trap has 15dB attenuation and can be tuned by the installer. The KFB4 and KFB5 can be placed alongside the KF/.. filters being careful not to tune to future channel requirements. They use the same mechanical structure as the K series, with F connectors and a self mixed output. Packaging 1pc.

Item	Code	Bandwidth MHz	Gain (adj.) dB	Return loss input dB	Return loss output dB	Max. output level dB μ V	Noise figure typ. dB	Max. power consumption mA
KFB4	270054	470-590	13 (20)	10	15	100	4	130@12VDC
KFB5	270055	606-862	11 (20)	10	15	100	4	130@12VDC
KFB5/..	270062	start channel on request	30 (20)	10	10	100	5	130@12VDC
KFBU	270064	174-240	30 (20)	10	10	100	5	100@12VDC

K Series

Channel amplifiers for DTT

Single channel amplified filters, KF/..DT, K120L/..DT and K120A/..DT for the distribution of digital terrestrial television signals.

Item	Code	Gain (adj.) dB	Max. input power dB μ V	SELECTIVITY				Max. output power dB μ V	Noise figure dB	Channels	Max. absorption mA
				Bandwidth Fc \pm 3.5MHz	7MHz Fc \pm 7MHz	Bandwidth Fc \pm 4MHz	8MHz Fc \pm 8MHz				
KF/...DT	2701xxDT	9 (45)	-	7	30	-	-	90	9	E5-E12	20 - 12VDC
		11 (35)	-	-	-	7	25		10	E21-E69	38 - 12VDC
K120L/...DT New	2708xxDT	45 (40)	-	7	30	-	-	115	9	E5-E12	180 - 12VDC
		45 (30)	-	-	-	8	33		9	E21-E69	200 - 12VDC
K120A/...DT	2707xxDT	-	90	7	30	-	-	115-105	9	E5-E12	210 - 12VDC
		-		-	-	8	30		9	E21-E69	210 - 12VDC

* It is possible to adjust the amplifier to a different standard on request.