Masthead products
UHF and VHF band amplifiers

- single input preamplifiers with extremely low noise figure
- for outdoor mounting
- DC feeding through output connector (AB012 powered through any output)
- shielded metal case inside plastic housing

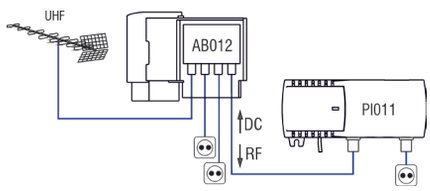
AB010
15 dB fixed gain UHF masthead amplifier

AB011
27 dB switchable gain UHF masthead amplifier

AB012
22 dB switchable gain UHF masthead amplifier and three RF isolated outputs

AB013
17 dB fixed gain VHF masthead amplifier





Technical specifications

TYPE	AB010	AB011	AB012	AB013
Ordering number	02544	02545	02546	02555
Frequency range	470-862 MHz			174-230 MHz
Gain	15 dB	27 dB	22 dB	17 dB
Number of inputs	1	1	1	1
Number of outputs	1		3	1
Noise figure	0.8 dB	≤ 1 dB		1.2 dB
Maximal output level	IMD3=60 dB(DIN45004B) = 98 dBµV, IMD3=60 dB 95 dBµV	IMD3=60 dB(DIN45004B)= 108 dBµV, IMD3=60 dB 105 dBµV	IMD3=60 dB(DIN45004B) = 103 dBµV, IMD3=60 dB 100 dBµV	IMD3=60 dB(DIN45004B) = 96 dBµV, IMD3=60 dB 93 dBµV
Interstage gain control	-	13 dB, switchable	15 dB, switchable	-
Return loss	> 10 dB			
Current consumption	4.5 V ÷ 12 V 30 mA	4.5 V ÷ 12 V 60 mA		4.5 V ÷ 12 V 30 mA
Operating temperature range	-20⁰ ÷ +50 ⁰C			
Dimensions/Weight (packed)	89x107x43 mm/0.18 kg			

- single input preamplifiers with extremely low noise figure
- integrated LTE signal suppression filter
- for outdoor mounting
- DC feeding via output connector
- shielded metal case inside plastic housing

AB010L
14 dB fixed gain UHF masthead amplifier

AB011L, AB011T
26 dB switchable gain UHF masthead amplifiers
AB011L - 470-790 MHz
AB011T - 470-694 MHz



Technical specifications

TYPE	AB010L	AB011L	AB011T
Ordering number	02544L	02545L	02545T
Frequency range	470-790 MHz		470-694 MHz
Gain	14 dB	26 dB	
Noise figure	≤ 1 dB (700 MHz)	≤ 1.3 dB (700 MHz)	≤ 1.3 dB (600 MHz)
Maximal output level	IMD3=60 dB (DIN45004B) 98 dBµV, IMD3=60 dB 95 dBµV	IMD3=60 dB (DIN45004B) 108 dBµV, IMD3=60 dB 105 dBµV	
Interstage gain control	-	13 dB, switchable	
Return loss	> 10 dB		
Current consumption	4.5 V ÷ 12 V 30 mA	4.5 V ÷ 12 V 60 mA	
Operating temperature range	-20⁰ ÷ +50 ⁰C		
Dimensions/Weight (packed)	89x107x43 mm/0.18 kg		