TERRA

Multiband amplifiers

Medium power amplifiers

- amplifier for combining and balancing of the signals up to 4 TV antennas
- protection and indication of DC overload
- integrated LTE signal suppression filter (MA056L, MA056T)
- built-in attenuators for every band
- DC feeding for preamplifier through UHF input
- die-cast housing inside plastic case
- die-cast housing (MA044M, MA045M)

Lte Ready

CABRIOLINE





Technical specifications

TYPE		MA056	MA056L	MA056T	MA044M	MA045M
Ordering number		03506	03506L	03506T	01598M	01599M
Gain	VHFI+FM (47-108 MHz)	30 dB				
	VHFIII (174-230 MHz)	30 dB				
	UHF (470-862 MHz)	2 x 35 dB	-	-	2 x 34 dB	34 dB
	UHF (470-790 MHz)	-	2 x 35 dB ⎍	-	-	-
	UHF (470-694 MHz)	-	-	2 x 35 dB ⎍	-	-
Number of inputs		4			4	3
Noise figure, typical	VHF	<6 dB				
	UHF	<6 dB				<4 dB
Maximal output level		IMD3=60 dB (DIN45004B) 112 dBμV, IMD3=60 dB 109 dBμV			IMD3=60 dB (DIN45004B)= 115 dBμV, IMD3=60 dB 112 dBμV	
Gain control		0 ÷ -16 dB			0 ÷ -20 dB	
Return loss		> 10 dB				
Test point		-20 dB			-30 dB	
DC feeding for external		5 V 80 mA max.			12 V 60 mA max.	
Power consumption		230 V~ 50/60 Hz 2.3 W*			230 V~ 50/60 Hz 7 W	
Operating temperature range		-20° ÷ +50° C				
Dimensions/Weight (packed)		133x73x39 mm/0.36 kg			135x180x52 mm/0.72 kg	

* without external DC load; with external DC load 3 W



Lte Ready

- for combining and balancing of the signals up to 4 TV antennas
- integrated LTE signal suppression filter ⎍
- protection and indication of DC overload
- built-in attenuators for every band
- switchable DC feeding for preamplifier through one UHF input
- die-cast housing

Technical specifications

TYPE		MA048LC	MA049L	MA049T	MA050L
Ordering number		03500	03501	03501T	03502
Gain	FM (88-108 MHz)	30 dB			30 dB
	VHFIII (174-230 MHz)	30 dB			
	UHF (470-790 MHz)	-	34 dB ⎍	-	34 dB
	UHF (470-694 MHz)	-	-	34 dB ⎍	-
	UHF1 (470-766 MHz)	34 dB	-		
	UHF2 (470-790 MHz)	34 dB	-		
Number of inputs		4	3	3	2
Noise figure, typical	VHF	< 6 dB			
	UHF (700 MHz)	< 7 dB	< 5 dB		
Maximal output level		IMD3=60 dB (DIN45004B) 115 dBμV, IMD3=60 dB 112 dBμV			
Gain control		0 ÷ - 20 dB			
Return loss		> 10 dB			
Test point		- 30 dB			
DC feeding for external		12 V 60 mA max.			
Power consumption*		230 V~ 50/60 Hz 7 W			
Operating temperature range		-20° ÷ +50° C			
Dimensions/Weight (packed)		135x180x52 mm/0.72 kg			

* without external DC loading