

FM/VHF/UHF Multiband Launch Amplifier



Technical characteristics

Features	BLATLA11
Number of Inputs	1
Number of Outputs	1
Number of Test	1
Signal Frequency Range(FM/VHF)	88-108MHz&170-230MHz
Signal Frequency Range(UHF)	470-694MHz
Noise Figure(FM/VHF)	5.0dB (typ) / 6.0dB (max)
Noise Figure(UHF)	2.5dB (typ) / 4.0dB (max)
Gain(FM/VHF) Continuously adjustable	10-30dB
Gain(UHF) Continuously adjustable	18-38dB
Return Loss (INPUT)	8dB(typ) / 5dB (min)
Return Loss (OUTPUT)	10dB(typ) / 8dB (min)
Impedance	75Ω
Maximal output level IMD3=60dB (DIN45004B)*1	118dBuV
Maximum Recommended Input	85dBuV
Amplifier Intermodulation	-2dB (typ) / -4dB (min) (EN 303 354: 5.3.3)
Standards Compliance	Safety:EN IEC62368-1:2020+A11:2020; EMC: EN 50083-2: 2012 + A1: 2015
UHF Output Current Rating	100mA max
Input Filter Characteristic	>30dB Rejection for all Frequencies <430MHz
5G LTE Filtered	Accord with EN 303 354: Class 1
Signal Connector Type	F type 3/8inch-32UNEF (IEC60169-24)
AC Connector Type	British Standard BS1363 ,3A~250V
Mains Power Requirement	230V 50Hz at 4.5W
Operating Temperature Range	-20 -- +50°C
Dimensions	185x76x47mm
Weight	770g
*1 Measure according to DIN45004B f _p =590.25MHz, V _p =V ₀ , f _q =597.25MHz, V _q =V ₀ -6dB; f _r =599.25MHz, V _r =V ₀ -6dB; measured at f _p +f _q -f _r =588.25MHz	