



## Wide Band Splitter / Line Amplifier

### Features

#### Wide Band Splitter

- All ports power pass
- Nickel plated zinc alloy die-cast
- Suitable for RF (5-1000MHz)
- IF (900-2150MHz) distribution
- Suitable for analog and digital signals
- All Port F-(f) connector, 75Ω
- Power pass max 1A, 30V
- Low insertion loss, high return loss and isolation for CATV, Satellite TV & MMDS
- Screening factor 55dB@2000MHz

#### Line Amplifier

- Nickel plated zinc alloy die-cast
- Designed for in line boosting satellite IF signal
- Power supply from the receiver via coaxial cable
- Power 15V 40mA
- 100mA power passing to LNB end
- All ports F-Connector, 75Ω

Specifications

Wide Band Splitters		PAS 1 x 2 WBM	PAS 1 x 4 WBM	PAS 1 x 6 WBM	PAS 1 x 8 WBM
<b>Splitters Way</b>		2 Ways	4 Ways	6 Ways	8 Ways
<b>VSWR In</b>	5 - 40 MHz	1.6	1.7	1.5	1.6
	40 - 1000 MHz	1.5	1.8	1.6	1.9
	1000 - 2050 MHz	1.5	2.0	1.6	2.1
	2050 - 2400 MHz	1.5	1.2	1.8	2.1
<b>VSWR Out</b>	5 - 40 MHz	2.0	1.8	1.5	2.5
	40 - 1000 MHz	1.3	1.4	1.6	1.4
	1000 - 2050 MHz	1.2	3.0	1.6	3.5
	2050 - 2400 MHz	1.4	3.5	1.8	3.9
<b>Insertion Loss</b>	5 - 40 MHz	4.7 dB	10.5 dB	13 dB	15 dB
	40 - 1000 MHz	5.2 dB	9.5 dB	12 dB	14 dB
	1000 - 2050 MHz	6.5 dB	12.5 dB	15.5 dB	16.5 dB
	2050 - 2400 MHz	7.0 dB	12.5 dB	18.5 dB	21 dB
<b>Mutual Isolation</b>	5 - 40 MHz	12 dB	16 dB	20 dB	19 dB
	40 - 1000 MHz	20 dB	20 dB	20 dB	20 dB
	1000 - 2050 MHz	20 dB	16 dB	20 dB	16 dB
	2050 - 2400 MHz	16 dB	16 dB	16 dB	16 dB

Line Amplifier	
<b>Frequency Range</b>	950 ~ 2400 MHz
<b>Gain</b>	20 dB
<b>Noise Figure</b>	≥ 6 dB
<b>Return Loss</b>	≥ 5 dB
<b>Output Level (dBμV)</b>	SAT: 110@35dB IMA <sub>3</sub> ; Terr.: 105@60dB IMA <sub>5</sub>
<b>Power Requirement</b>	11 ~ 20 VDC, 40mA
<b>DC Pass</b>	Both direction

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.