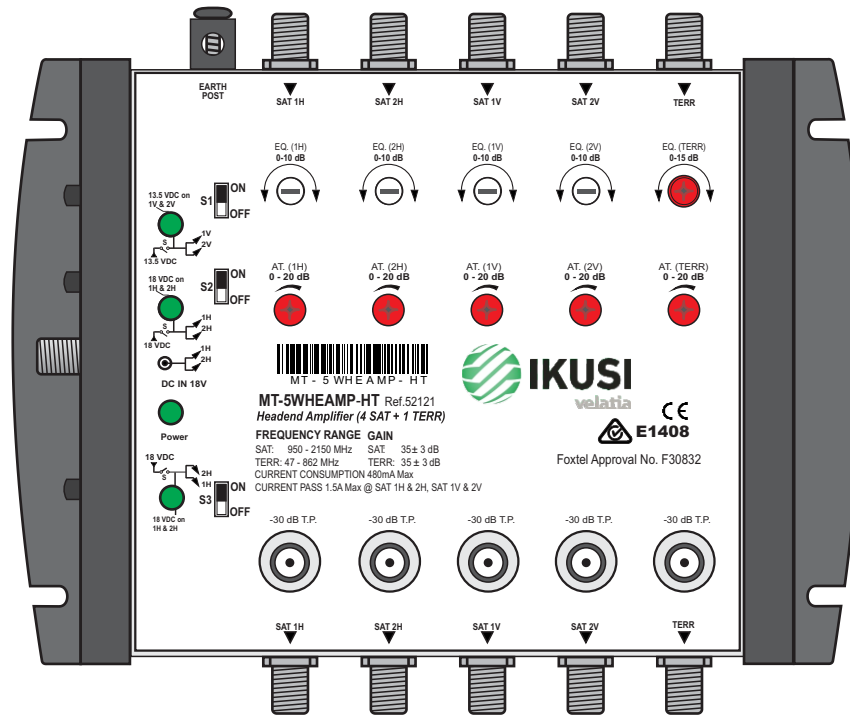


SAT-IF DISTRIBUTION EQUIPMENT

Model: MT-5WHEAMP-HT



Headend Amplifier

Headend Amplifier for 5-wire system

Features

- Low cost high performance, proven technology for SMATV distribution
- Amplification of 4 SAT-IF Polarizations & 1 TERR signal with continuous attenuation & equalisation adjustment for compensating distribution losses for 5 wire distribution systems.
- Higher input range up to 85dBuV
- Includes -30 dB test points at all output ports
- 35dB gain on SAT & TERR ports
- Active SAT & TERR. with local powering (+18 VDC using PS1816DC)
- LED indicator for Power only
- The +18 VDC is user switchable (S2 & S3) for input and outputs of SAT 1H & SAT 2H
- LED indicators for user switchable +18VDC
- Additionally, an internally generated +13.5 VDC can be switched (S1) on (LED indicator) to the SAT 1V & SAT 2V inputs (to power the vertical polarity of the LNB)
- Sheet metal housing with Indoor mounting, wall fixing, & earthing terminal
- Foxtel Approval No. F30832

SAT-IF DISTRIBUTION EQUIPMENT



Specifications

Headend Amplifier

Model			MT-5WHEAMP-HT	
Reference			52121	
Powering Mode			DC (Local)	
Line inputs (4x SAT= 1V, 1H, 2V 2H)			4 SAT + 1 TERR +1 DC IN 18 VDC	
Line Outputs (4x SAT= 1V, 1H, 2V 2H)			4 SAT + 1 TERR +1 DC	
Line Outputs Test Points (-30 dB) (4x SAT= 1V, 1H, 2V 2H)			4 SAT + 1 TERR +1 DC	
Frequency	SAT		Mhz	950 - 2150
	TERR		MHz	47 - 862
Gain	SAT		dB	35 ± 3
	TERR		dB	35 ± 3
	TEST POINT		dB	5 ± 3
Gain adjustment	SAT		dB	20 ± 2
	TERR		dB	20 ± 2
Slope adjustment	SAT		dB	0 ~ 10
	TERR		dB	0 ~ 15
Isolation	SAT - SAT		dB	≥30
	TERR - SAT		dB	≥30
	SAT - TERR		dB	≥30
Return Loss	Input	SAT	dB	≥ 17
		TERR	dB	≥ 12
	Output	SAT	dB	≥ 11
		TERR	dB	≥15
	Test Point	SAT	dB	≥16
		TERR	dB	≥17
Noise figure	SAT		dB	≤12
	TERR		dB	≤10
Test Points at outputs			dB	-30 ± 3 dB
Max Output Level	SAT IMA3 -35dB @ EN50083-3		dBuV	≥105
	TERR IMA3 -60dB @ EN50083-5		dBuV	≥118
Power Pass (1.5A Max)	H Lines	18.0 ± 0.5	VDC	H input Lines (user switchable)
				H Output Lines (user switchable)
	V Lines	13.5 ± 0.5	VDC	V input Lines (user switchable)
Product Consumption			mA	480 Max
External switch mode power supply (18 VDC)			VAC / Hz	100 ~ 240 / 50 ~ 60
Input / Output connectors & DC connector			F Type	F-female
Dimensions L x W x H (unit dimensions not including cable)			mm	203 x 153 x 61
Weight			grams	635

For further information on applications, refer to TechNote 23.