



Home Amplifiers

3HDU-2P

The 3HDU-2P is a 2 output in-home amplifier with an active return path for systems with a 65/85 MHz band split. The lifeline feature maintains service to one output, ensuring that subscribers continue to have service in the event of power loss to the unit.

3HDU-2P features

- 5-1218 MHz bandwidth
- Unity amplification gain in both downstream and upstream
- Lifeline guarantees service to one output in the event of power loss
- External 12VDC power adapter
- Modern look and feel
- Reversible wall mounting option

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HOME AMPLIFIERS

ELECTRICAL SPECIFICATIONS										
Parameters	Forward Path (85 ... 1218 MHz)					Return Path (5...65 MHz)				
	Frequency range (MHz)	Min	Max	Typ	Notes	Frequency range (MHz)	Min.	Max	Typ.	Notes
Gain (dB)	85...1218	0.0	1.5			5...65	0.0	1.5		
Lifeline Loss (dB)	85...1006 1006...1218		1.0 1.5	0.5 1.0		5...65		0.3		
Ripple (dB)	85...1218		+/- 1.0	+/- 0.75		5...60 60...65		+/- 0.5 +/- 0.75		
Return Loss (dB)	85...1218		18.0		1	5...65	18.0			
Isolation Port to Port (dB)	85...109 109...1006 1006...1218	25.0 25.0 23.0				5...10 10...65	27.0 34.0			
Noise figure	85...109 109...1006 1006...1218		7.0 6.5 7.0			5...65		15.0		
Second Order Intermodulation (dBc)	85...1006		-65.0		2	85...1006		-75.0		4
Third Order Intermodulation (dBc)	85...1006		-65.0		2	85...1006		-60.0		5
Group Delay (μ s)	85...95 95...1218		15.0 6.0		3	5...10 10...63 63...65		20.0 12.0 20.0		6

GENERAL SPECIFICATIONS			
Impedance	75 Ohm	Dimensions	L 80 x W 79 x H 23 mm
Operating temperature range	-5 to +40 °C	Weight	0.13 kg
Max. power consumption	< 3.5 W	Housing and cover	Color White
Supply Voltage	12 VDC	Connectors	F Female
Surge immunity on all RF ports	min. 1 kV, 1.2/50 μ s ⁽⁷⁾	Class of enclosure	IP54
EMC	IEC60728-2	Safety	IEC60728-11

NOTES	BLOCK DIAGRAM
<p>(1) F > 40 MHz -1.5 dB/oct, min 12 dB (2) 41 channels cenelec raster 77dBuV flat measured at input (3) dF= 4,43 MHz (4) 2-tone test @115 dBuV, measured on upstream output (IN) (5) 3-tone test @115/109/109 dBuV acc. To DIN45004B, measured on upstream output (IN) (6) dF=2 MHz (7) Surge voltage according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port. (8) Approved by third part lab, certificates available on demand</p>	

ORDERING INFORMATION	
3HDU-2P	2 output in-home amplifier with an active return path for systems with 65/85 MHz band split. 12 VDC power adapter is not provided.

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TELESTE CORPORATION
www.teleste.com

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