



PRODUCT FAMILY	PRODUCT MODEL
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DH AND HOME AMPLIFIERS	2-WAY ACTIVE DROP AMPLIFIER
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	FEATURES
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- >> **AUTOMATIC** bypass relay guarantees **LIFELINE SUPPORT** during outage
- >> Optional **Barrier®** ingress and egress protection
- >> **LOCAL** and **REMOTE** powering options
- >> All key components of **PSU** are derated (for optimum long term reliability)
- >> **100 dB** RFI shielding

SPECIFICATIONS

FORWARD PATH 85-1200 MHz					
PARAMETER		TYPICAL	WORST	UN.	NOTE
Gain	Active Mode	0.0	-0.5	dB	each port
Insertion Loss	Bypass Mode	-0.3	-.50		bypass port
Flatness		± 0.5	±1.0		
Out - Out Isolation		25	24		
Cross Modulation		-75	-70	dBc	(1)
Composite Triple Beat		-75	-70		
Composite Second Order		-65	-62		
Noise Figure		5.1	5.6	dB	(4)
CNR			64		
Group Delay	CH2		20	ns	Span 3.58 MHz
	CH3		10		
	CH5 >		5		



COMPACT
High Reliability
Power Adaptor

RELIABLE TWO-WAY ACTIVE AMPLIFIERS

- with outstanding performance

The Teleste Subscriber Amplifier provides an innovative future proof solution that utilizes the very latest RF MIMIC (Monolithic Microwave Integrated Circuit) technology for ultimate RF performance and long-term reliability. The 1.2 GHz amplifier platform provides up to 8 dB gain with 8 dB equalization option. In addition, the amplifier has enhanced return and insertion loss, low distortion and incorporates the Multimedia Over Coax Alliance (MoCA) standard for optimum home entertainment networking.

The HDU amplifiers can be mounted directly on the wall or with an optional frame and cover. The optional cover can be customized with a logo. There is also a robust enclosure available for outdoor installations. Additionally Teleste can offer the HDU amplifiers equipped with **Barrier®** technology.

RETURN PATH 5-65 MHz

PARAMETER		TYPICAL	WORST	UN.	NOTE	
Gain	Active Mode	+1	-0.0	dB	each port	
	Bypass Mode	-0.2	-0.3		bypass port	
Flatness		± 0.3	±0.6			
Out - Out Isolation		25	24			
2 nd Order Intermodulation		-80	-75	dBc	(2)	
3 rd Order Intermodulation		-60	-58			
Noise Figure		7.0	8.0	dB	(3)	
CNR			101		(4)	
Group Delay	5-65 MHz		20	ns	Span 1 MHz	
	10-36MHz		5			



A double **GALVANIC ISOLATOR** can be added directly on the push-on input port

GENERAL SPECIFICATIONS 5-65 MHz, 85-1200 MHz

PARAMETER	TYPICAL	WORST	UN.	NOTE
Impedance	75		Ohm	
Return Loss (Active and Bypass Modes)	20	18	dB	all ports
Hum Modulation	-80	-75		
RFI		-100		
Surge Withstand Capability	6kV 3kA, 8/20us Combo Wave IEEE 587 (C62.41-1991) Category B3 Standard			Fwd Input and Power Pack
	6kV 200A, 0.5-100KHz, Ring Wave IEEE 587 (C62.41-1991) Category A3 Standard			Fwd Outputs
Operating Temperature	-40 to +60		° C	
Power Consumption	200		mA	12Vdc
Waterproof	Withstand 15 lbs/inch for 1 minute			All F Ports

NOTES:

- (1) Input levels at +10 dBmV/CH (79 NTSC), plus digital after 550MHz at 6 dB set-back
- (2) 60 dBmV rev output level on each of 19, 25 and 31 MHz carriers. 2nd order measured on 12 MHz and 3rd order measured on 37 MHz
- (3) Noise Figure of the gain block, behind splitter losses. Add 7.0dB for splitter loss
- (4) 10dBmV input ref for FWD CNR, 60dBmV output ref for REV CNR

ORDERING INFORMATION

HA408-1200-65-85 Four output 8 dB amplifier, return path up to 65 MHz

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Teleste Corporation is the owner of the trademark **Barrier®**



All ports facing down for **EASY INSTALLATION**



Produced with **LONG-TERM RELIABILITY** in mind