



RF Amplifiers

HOUSE CONNECTION AMPLIFIER DH4030-R065-AC

The DH4030-R065-AC from Teleste is a remote powered high performance 5-1006 MHz Amplifier with a 65/85 MHz fixed band split.

Using GaAs-FET technology for the amplifier stages means we have been able to produce high CTB & CSO performance with optimal power capability. All signal controls use Step Attenuators to avoid the need to have a large stock of different attenuator plug-ins.

DH4030-R065-AC features

- 65/85 MHz fixed band split
- All adjustments using electrical step attenuators
- GaAs FET and GaAs pHEMT technology in use
- Remote powered
- Upstream midstage Universal Plug-in
- Improved ESD and surge protection
- Hole for sealing the lid

One of Teleste's superior performance products designed for easy installation and reliability.

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HOUSE CONNECTION AMPLIFIER / DH4030-R065-AC

TECHNICAL SPECIFICATIONS: DOWNSTREAM ⁽¹⁾			
Frequency range	85...1006 MHz	Mid-stage gain selection	40 / 34 dB
Return loss	18 dB	Mid-stage equalizer control range	0...12 dB
Gain	40 dB	Noise Figure	7.5 dB
Input attenuator control range	0...15 dB	Test point	20 dB
Input equalizer control range	0...16 dB	CSO/CTB 41 channels (flat/sloped)	111/114 dB μ V
Input cable simulator	0 / 8 dB	Umax (112 QAM channels, flat/sloped)	106/108 dB μ V
TECHNICAL SPECIFICATIONS: UPSTREAM ⁽¹⁾			
Frequency range	5...65 MHz	Flatness	\pm 0.75 dB
Return loss	18 dB	Noise Figure	6 dB
Gain	30 dB	Test point	20 dB
Input attenuator control range	0...15 dB	Mid-stage Universal Plug-in	JDA-type
Output equalizer control range	0...15 dB	Output level (full load)	120 dB μ V
GENERAL SPECIFICATIONS ⁽¹⁾			
Supply Voltage	27...65 VAC	Test Point Connector	F-female
Power Consumption	17 W	Input/Output connectors	PG11 thread and screwing block on RF board
Max. current feedthrough	5.0 A/port	EMC compatibility	EN 60728-2
HUM modulation	70 dB @ 3 amps	Safety	EN 60728-11
Operating temperature	- 20 ° to + 55 °C	Surge	2 kV, IEC 60728-3
Class of enclosure	IP 54	ESD	4 kV
Dimensions (h x w x h)	210 x 170 x 78 mm (all included)	Weight	2 kg
NOTES			
(1) Typical values. Please contact us for detailed conditions.			
BLOCK DIAGRAM			
<p>The block diagram illustrates the internal architecture of the amplifier. It shows an input (IN) connected to a cable simulator (0/8 dB) and an attenuator (0...15 dB). The signal then passes through a mid-stage amplifier and a mid-stage equalizer (0...12 dB). The output stage includes another attenuator (0...15 dB) and a final amplifier. Test points (TP -20 dB) are indicated at various stages. The diagram also shows the AC power supply and the universal plug-in component.</p>		<p>Hole for sealing the lid</p>	
ORDERING INFORMATION			
DH4030-R065-AC	Amplifier equipped with 65 VAC power supply and 0 dB Universal Plug-in in upstream. No connectors included.		

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TELESTE CORPORATION
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