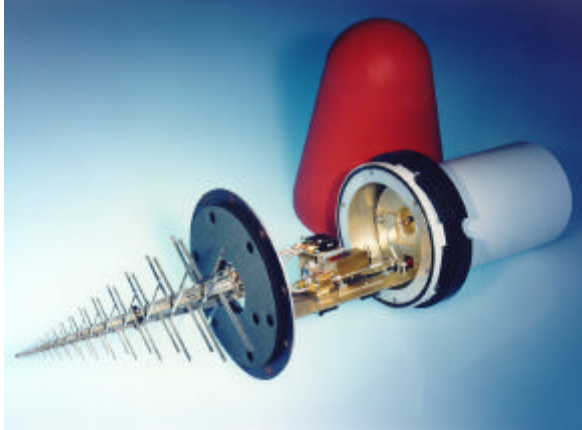


# Active Antenna Feeds HL024S7, HL024S8, HL024S9



## Brief description

The Active Antenna Feeds HL024S7, HL024S8 and HL024S9 consist of the Crossed Log-Periodic Antenna HLO24A1 and a broadband preamplifier unit. The HL024S9 additionally has a polarization switching network. The antenna feeds are optimized for use in the Microwave Directional Antennas AC090, AC120, AC180 and AC300.

- Wide frequency range 1 to 18 GHz with only one feed
- Remotely selectable polarization
- Remotely switchable bypass (only HL024S7 and HL024S8)
- High system sensitivity due to pre-amplification right at the antenna output

## Specifications

Frequency range	1 to 18 GHz
Polarization	
HL024S7	H or V
HL024S8	H and V
HL024S9	H or V or RHC or LHC
Nominal impedance	50 $\Omega$
VSWR	$\leq 2$
Gain (HLO24A1 only)	>6 dB
Noise figure	$\leq 3$ dB
Amplifier gain	
active network	26 $\pm$ 2 dB
HL024S9	>22 $\pm$ 2 dB (circular only)
1-dB compression point	approx. +8 dBm
Power supply	
HL024S7	+15 V DC (0.3 A)
HL024S8	+15 V DC (0.7 A)
HL024S9	+15 V DC (0.5 A)
HL024S...	+12V DC (1.5 A)
Connector	SMA female
Weight	
HL024S7, HL024S8	1 kg
HL024S9	1.2 kg

## Recommended extras\*

Control Unit (remote/computer controlled)	BG016
Control Unit (local control)	GB016A2
Microwave Cable	AC008W2

\* not required if feed is used in Antenna Systems AC090 to AC300