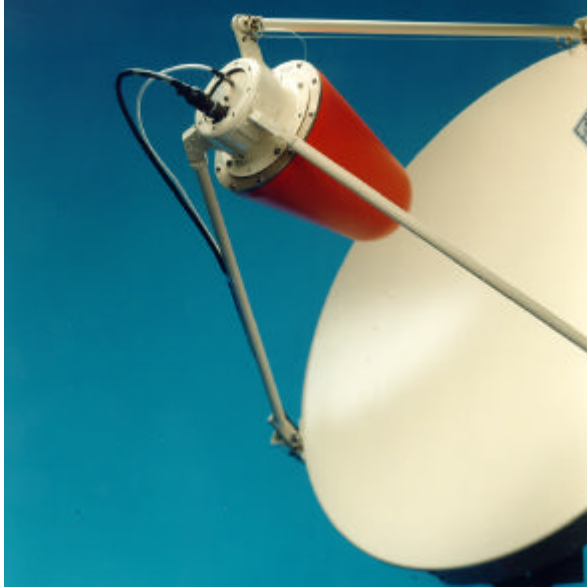


# Active Antenna Feed HL025S



## Brief description

The Active Antenna Feed HL025S is a combination of the broadband Log-Periodic Antenna HL025 with an integrated preamplifier. The HL025S is equipped with a rotator for determination of linear polarization directions. The max. rotation range of approx. 135° enables the detection of horizontally, vertically and any polarized waves in between.

The antenna feed is optimized for use in the Steerable Microwave Antenna Systems AC090, AC120, AC180 and AC300:

- extremely wide Frequency range; no change of antenna feed necessary
- polarization direction selectable by remote control
- high system sensitivity due to low-noise amplification right at antenna output

## Specifications

### **Antenna:**

Frequency range	0.85 to 26.5 GHz
Polarization	linear (rotatable)
Range of rotation	135° incl. H and V
VSWR	< 2
Gain (HL025 only)	8 dBi (typ.)

### **Amplifier:**

Noise figure	≤ 3.1 dB
Amplifier gain	33 dB ± 2
1-dB suppression point	> +5 dBm
Power supply	15 V (250 mA) 5 V (1 A)
HF Connector	RPC 3.5
Weight	1 kg