

# SEAVEY ENGINEERING ASSOCIATES, INC.

## ANTENNA DESIGN AND DEVELOPMENT

Seavey Engineering Associates, Inc., the leading supplier of specialty antennas, has developed an innovative prime focus, scalar, C-band receive/ Ku-band transmit orthogonal linear polarized antenna feed with enhanced cross-polarization performance.

The Seavey Model ESA-40140-2 is used for up-linking Ku-band signals while down-linking C-Band signals at cable head-end Earth Stations.



Reference 0308

### SPECIFICATIONS

#### Receive Function:

RF Port	WR229 Waveguide Flange
Frequency Range	3.7-4.2 GHz
Polarization	Linear
Return Loss	9.5 dB Minimum
Cross-polarization	30 dB Minimum On-Axis

#### Transmit Function:

RF Port	WR75 Waveguide Flange
Frequency Range	14.0-14.5 GHz
Polarization	Linear
Return Loss	15 dB Minimum
Cross-polarization	30 dB Minimum On-Axis

<b>Tx &amp; Rx Port Isolation:</b>	14.0-14.5 GHz
	30 dB Typical