

**Ultra-Low Temperature Prime Focus S-Band Antenna Feed
Model 0027-800**

SEAVEY ENGINEERING ASSOCIATES, INC.

ANTENNA DESIGN AND DEVELOPMENT

The Seavey Engineering Associates Model 0027, pictured below, is an ultra-low temperature prime focus S-band, dual circular polarized antenna feed. The feed is environmentally sealed with a radome and gaskets.

Designed to operate in the Antarctic, this rugged feed performs in temperatures reaching as low as -50°C .

SPECIFICATIONS - Broadband Antenna Feed

Frequency:	2.332-2.345 GHz
Gain:	6 dBi
Isolation:	30 dB, minimum
VSWR:	1.5:1, maximum
Temperature:	-50°C to $+52^{\circ}\text{C}$
RF Input:	SMA Female
Insertion Loss:	0.5 dB, maximum

