

DUAL-POLARIZED, DUAL-BAND ANTENNA FEED

Model ESR 124 D/B-2/2

SEAVEY ENGINEERING ASSOCIATES, INC.

ANTENNA DESIGN AND DEVELOPMENT

This antenna feed represents the latest development in Seavey Engineering's consulting 20-year tradition of product improvements of multi-band antenna feeds. Feed SEA Model ESR 124D/B-2 incorporates many useful features which enhance its utility in a wide range of Satcom receive-only applications. This feed can be used in large and small axi-symmetric reflectors and is shown with a customer specified mounting bracket.

MEASURED DATA & SPECIFICATIONS

	C-BAND		KU-BAND	
Frequency	3.4 – 4.2 GHz		10.7 – 12.75 GHz	
Polarization	Dual Linear		Dual Linear	
Port	CPR-229F		WR-75F	
Return Loss (dB)	10.2	10.3	12.0	12.3
Isolation (dB)	24.1		32.4	
Cross Polarization (dB)	25.3	25.4	20.4	20.4

