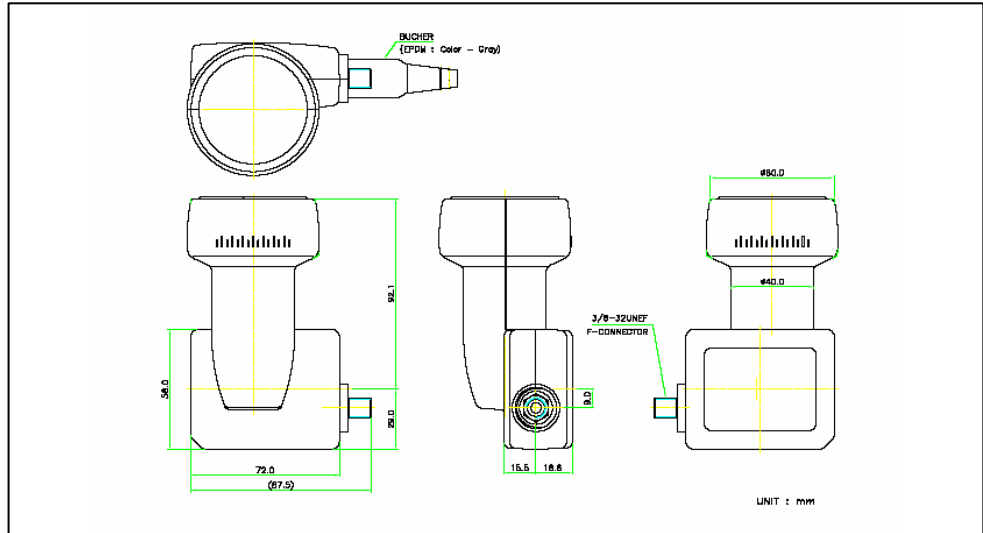


Ku-Band Single LNB Applications

HD-1490

Outline Drawing



Model No & Frequency, Stability

Model No	Input Freq.(GHz)	Output Freq.(MHz)	L.O & Stab.(Over Temp.)
HD-1490	11.70 – 12.75	950 – 2000	10.75 GHz +/- 2 MHz
HD-1700	12.25 – 12.75	950 – 1450	11.30 GHz +/- 2 MHz

Specifications

Parameter	Specification
Noise Figure (@ +25 °C)	1.0 dB max.
Input VSWR	2.5 : 1 typ.
Image rejection	40 dB min.
Conversion gain	65 dB typ.(60 dB min. 68 dB max.)
Output VSWR	2.0 : 1 typ.
Gain flatness	4 dBp-p max.
Gain ripple (@ per channel)	+/- 0.75 dB max.
1dB gain compression point	0 dBm min.
Output impedance	75 ohms
Leakage (@ Input port)	-45 dBm max.
Phase noise	-60 dBc/Hz (@1 KHz) -85 dBc/Hz (@10 KHz) -100 dBc/Hz (@100 KHz)
Power supply	+12 to +24V DC
Required current	200 mA max.
Operating temperature	-30 °C to +60 °C
Storage temperature	-40 °C to +80 °C
Relative humidity	0% to 95% RH
IF output connector	F-Type female
Weight	150 g



A-Telecom Co., Ltd.
 22-4, Palyong-Dong, Changwon, Kyungnam, Korea 641-847
 Tel : 82-55-299-8550, Fax : 82-55-299-8552
 http://www.a-tele.com, E-Mail : a-tele@a-tele.com