

Specifications: C1-PLL LNBF

Input Frequency Range	3.70 ~ 4.20GHz
Output Frequency Range	950 ~ 1450MHz
L.O. Frequency	5150MHz
Noise Temperature	17K typical
LO Stability (over temp ex offset)	± 30Khz
LO Phase Noise @ 1K Hz	-72dBc
LO Phase Noise @ 10K Hz	-81dBc
LO Phase Noise @ 100K Hz	-90dBc
Conversion Gain	60dB typical
Gain Flatness	±4dB
Gain Variation	±1dB / 27 MHz
Image Rejection	-40dB
Crosstalk Isolation	25dB typical
Control Signals Ca [V/CR]	11.0 ~ 14.0V
Control Signals Cb [H/CL]	16.0 ~ 20.0V
DC Voltage	11 ~ 20Vdc
Current	145mA [max]
Output VSWR	2.0 : 1
Temperature Range	-40 ~ +140°F / -40 ~ +60°C
Relative Humidity	0 ~ 100% condensing
Polarization Type (cast ±45° scale)	Linear (w/dielectric for circular)
Output Impedance	75Ω
Connection	F-Type / 3GHz / Female
Weight	10.1oz / 286g
Construction	Precision Cast Aluminum
Hardware	Stainless Steel Allen Head (w/tool)
Housing / Scalar Finish	Polyurethane Powder (chip resistant)
Color	Snow White / Natural Cooling Fin
Feedhorn Cover	Low-loss (blue color)
Dimensions (w/o scalar)	7 ⁵ / ₈ (l) x 4 ³ / ₈ (h) x 2 ³ / ₄ (w) in 185 (l) x 87 (h) x 68 (w) mm
Scalar Type *	Flat - Prime Focus
F/D with included Flat Scalar	0.32 ~ .44+ (cast scale)
Mount Type with Flat Scalar	Single pole, Tripod or Quad legs
* Optional Conical Scalar Kit – SC1	Offset Type Dish with F/D .5 ~ .8