



- Frequency Range 7.25 - 7.75 GHz
- L.O stability Depends on ext. ref.
- Power supply +12 to +24V DC
- Power connector Feed thru and/or output connector



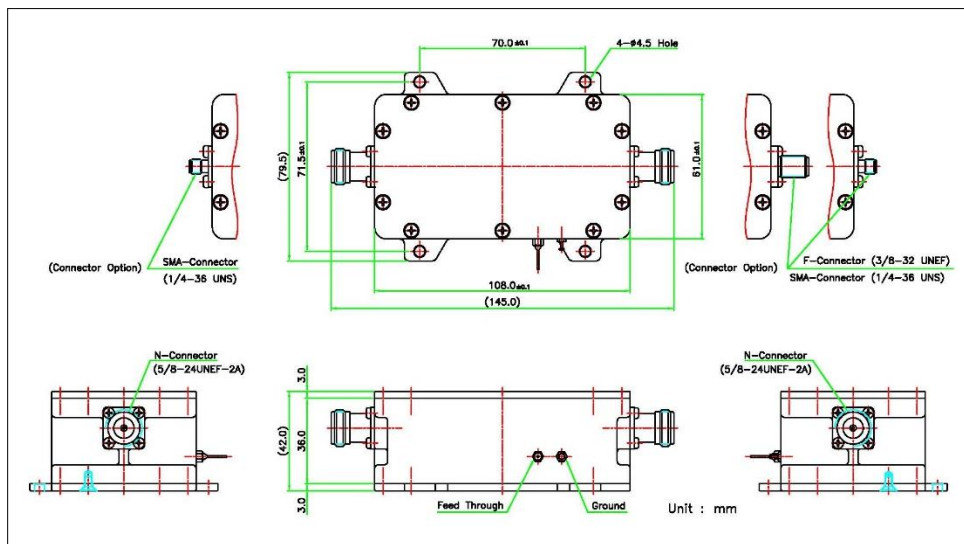
Block Downconverter X-Band Ext. Ref. 7277X (BDC)

Model: GBDX7277X

Specifications

Parameter	Specification
Input Freq.	7.25 – 7.75 GHz
Output Freq.	950 - 1450MHz
L.O Freq.	6.3 GHz
Noise figure	13 dB max
Conversion gain at -40 to +60°C	30 dB typ. (27dB min. 33dB max.)
Gain flatness	4 dBp-p max.
Gain flatness at -40 to +60°C	5 dBp-p max.
Gain ripple at per 27MHz, -30 to +60°C	1 dBp-p max.
L.O stability at -40 to +60°C	depends on ext. ref.
Image rejection	40 dBc min.
Phase noise	-70 dBc/Hz (@ 1KHz) -80 dBc/Hz (@ 10KHz) -95 dBc/Hz (@ 100KHz)
Output P1dB	+5 dBm min.
Ext. ref. input freq. & power	10 MHz, -5 to +5 dBm
Ext. ref. input port	IF output connector
Input VSWR	2.2: 1 max
Output VSWR	2.2: 1 max
Input connector	SMA, N-type female (option)
Output connector	F, N, SMA-type female (option)
Power supply	+12 to +24V DC
Power supply connector	Feed thru and/or output connector
Required current	300 mA max.
Operating temperature	-40 to +60°C
Waterproof	IP 67
Dimension (exclude connector)	108.0 x 79.5 x 42.0 mm
Weight	550 g

Mechanical Diagram (Unit: inch (mm))



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