

DATASHEET

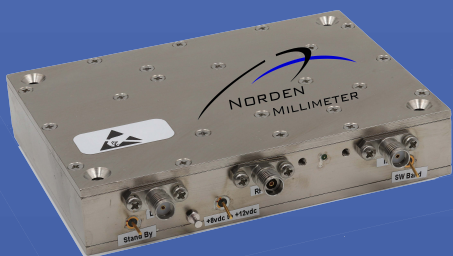
Norden Millimeter is the leading developer of microwave and millimeter wave products, creating standard and custom RF amplifiers, frequency multipliers, frequency converters, and custom assemblies.

NUC1840I0217 FEATURES

RF Frequencies
18-26.5/26.5-40 GHz

IF Frequencies
2.3-10.8/3.2-16.7 GHz

LO Frequency
14.4 GHz



Gain Flatness
+/- 2.5 dB

Conversion Gain
10 dB

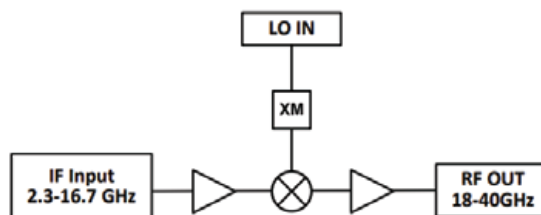
Operating Temperature
0 to +50 deg C

Norden Millimeter has an extensive catalog of standard frequency converters, with applications in the commercial, military, and test space. Within this product line is our NUC1840I0217 up converters, with RF frequencies that range from 18 GHz to 40 GHz.

As part of Norden Millimeter's standard catalog of up converter products, the NUC1840I0217 is an example of our expanding line. The converters have applications for commercial, military, and test.

We encourage you to contact our sales team at 530-642-9123 to discuss your questions and applications. With down converters, up converters, transceivers, and other products operating between 0.5 and 110 GHz, Norden Millimeter is the top choice for both standard products and custom assemblies.

Norden Millimeter is ISO 9001:2015 and AS 9100D Certified.



5441 Merchant Circle
Placerville, CA 95667
(530) 642-9123
www.NordenGroup.com

NUC1840I0217

18-40 GHZ FREQUENCY UP CONVERTER

SPECIFICATIONS

IF Input Freq	2.3-10.8/3.2-16.7	GHz
RF Output Freq	18-26.5/26.5-40	GHz
LO Fund Freq	14.4	GHz
LO Drive	-3 to 0	dBm
Conv. Gain Typ	10	dB
Gain Flatness	+/-2.5	dB
Gain Variation OT Typ	+/-1.25	dB
Output P-1 dB Min	12	dBm
Image Rejection Min	-60	dBc
LO-IF Leakage Max	-50	dBm
LO-RF Leakage Max	-50	dBm
RF/LO/IF Return Loss Max	-7.36	dB
Pos. Supply Voltage	+12 +/-5%	VDC
Pos. Supply Current Max/Typ	1200/925	mA
Standby Current Max/Typ	2/0.6	mA
Operating Temp	0 to +50	deg C
Data Temp	25	deg C
RF Connector	2.92mm	Female
LO/IF Connector	SMA	Female

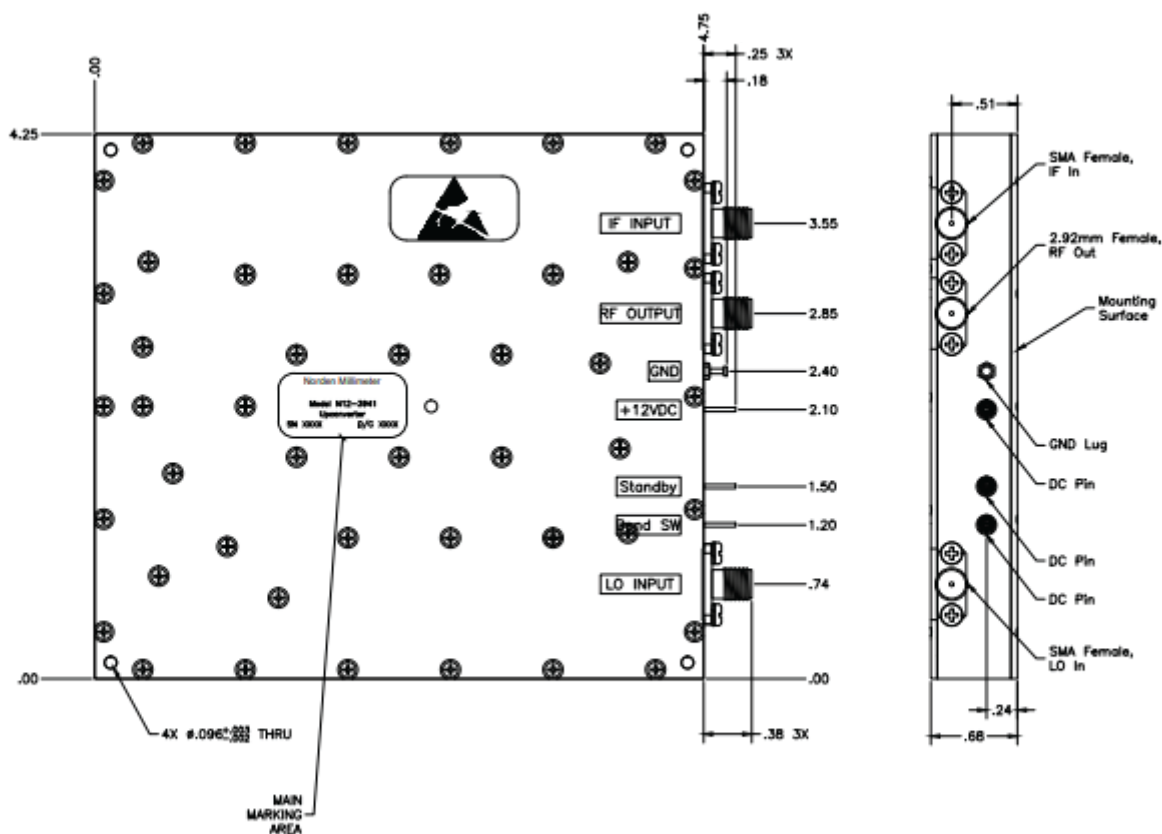
Logic	Band 1 (18-26.5)*	Band 2 (26.5-40)**	Unit Standby***
Band Switch	0	1	X
Standby Switch	1	1	0
*Band 2 Powered Off			
** Band 1 Powered Off			
*** Band 1 and 2 Powered Off (must be pulled high to turn unit on)			



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