



**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.*

## NUC2640I0317 FEATURES

RF Frequencies  
**26-40 GHz**

IF Frequencies  
**3.2-17.2 GHz**

LO Frequencies  
**14.4GHz**



Conversion Gain Minimum  
**20 dB**

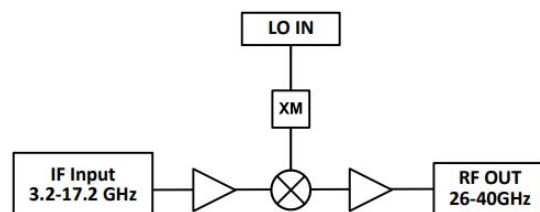
Gain Flatness  
**+/- 2.5 dB**

As part of Norden Millimeter's standard catalog of down converter products, the NUC2640I0317 is an example of our expanding line. The converters have applications for commercial, military, and test. NUC2640I0317 is also available in a hermetic case for airborne applications

We can also create custom up converters that integrate temperature compensating functions, variable attenuation, defined gain slope, and other frequency bands. If you decide you need a custom product, you can call our sales team at 530-642-9123.

We encourage you to contact our sales team 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.



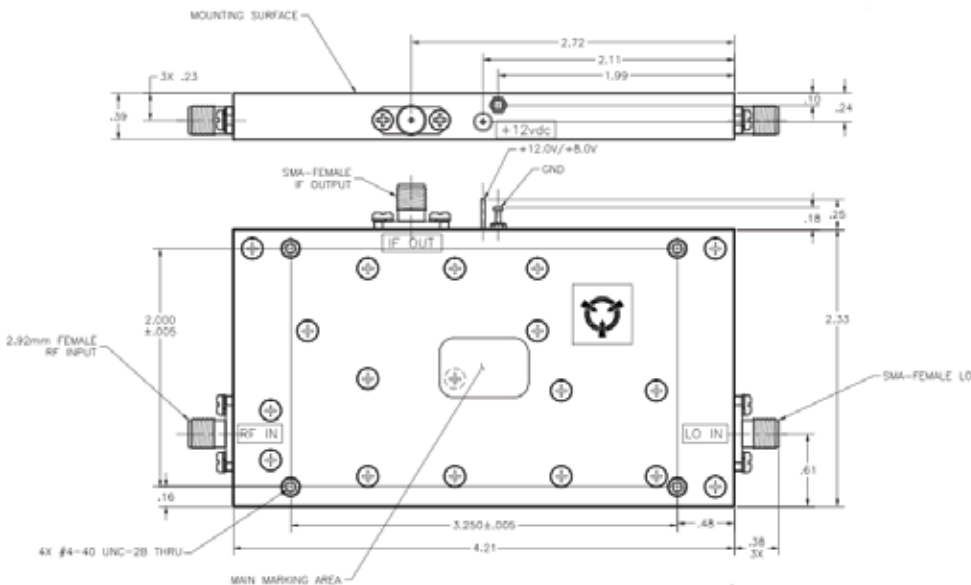
5441 Merchant Circle  
Placerville, CA 95667  
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# NUC2640I0317

26-40 GHz UP CONVERTER

# SPECIFICATIONS

IF Input Freq	3.2-17.2	GHz
RF Output Freq	26.0-40	GHz
LO Fund Freq	14.4	GHz
LO Drive	-3 to 0	dBm
Conv. Gain Typ (dB)	20	dB
Gain Flatness	+/-2.5	dB
Gain Variation OT Typ	+/-1.25	dB
Output P-1 dB Min	15	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	1100	mA
Operating Temp	0 to +50	deg C
Data Temp	25	deg C
RF Connector	2.92mm	Female
IF/LO Connector	SMA	Female



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