

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.

NQ3350G10P10 **FEATURES**

Input Frequency
8.25-12.5 GHz

Output Frequency
33-50 GHz

Input Power
5-8 dBm

Input Return Loss Max
-9.54 dB

Output Return Loss Typ
-7.36 dB

Operating Temp
+25 deg C

Norden Millimeter has an extensive catalog of standard frequency multipliers, with applications in the commercial, military, and test space. Within this product line is our NQ3350G10P10 frequency multiplier, with a frequency range of 33-50 GHz.

Included in Norden Millimeter's standard catalog parts, the NQ3350G10P10 amplifier is an example of our extensive engineering and prototyping capabilities. Our frequency multipliers are carefully engineered to meet the needs of your operations.

We encourage you to contact our sales team at 530-719-4704 to discuss any questions you may have along with what is best for your application. With amplifiers, 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.

NQ3350G10P10

33-50 GHZ FREQUENCY MULTIPLIER

SPECIFICATIONS

Input Frequency	8.25-12.5	GHz
Output Frequency	33-50	GHz
Input Power Min	+5	dBm
Input Power Max	+8	dBm
Sub-Harmonics Typ	-20	dBc
Sub-Harm	$n \cdot F_o / 4$ w/ $n=3, 5,$	
Spurious Typ	-60	dBc
Input Return Loss Max	-9.54	dB
Output Return Loss Typ	-7.36	dB
Supply Voltage	+12 +/- 5%	VDC
Supply Current Temp	600	ma
Operating Temp	+25	deg C
Input Connector	SMA	female
Output Connector	WR-22	
	Proper Heat Sinking Req.	



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