

NTMS Meeting

March 7, 2020

St Barnabas - Richardson

Radio RF VHF Signal Source 13dBm 125Mhz Sine Wave Signal Generator With Filter

★★★★★ Be the first to [write a review](#).

Condition: **New**

Quantity:

9 available
50 sold / [See feedback](#)

Price: **US \$4.28**

Buy It Now

Add to cart

Best Offer:

Make Offer

[Add to Watchlist](#)

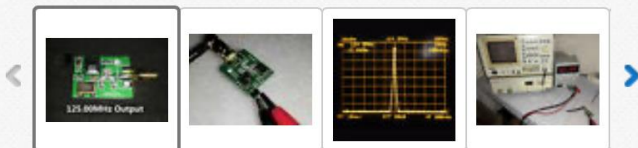
100% buyer satisfaction

Returns accepted

18 watchers



125.00MHz Output



\$ Have one to sell?

Sell now

Shipping: **FREE** Economy Shipping from outside US | [See details](#)

International shipment of items may be subject to customs processing and additional charges. [?](#)

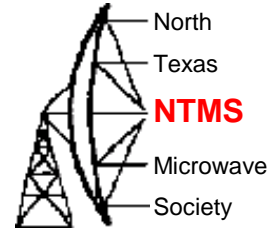
Item location: HK, Hong Kong

Ships to: Worldwide [See exclusions](#)

Delivery: **Estimated between Mon. Apr. 6 and Fri. May. 22** [?](#)

This item has an extended handling time and a delivery estimate **greater than 19 business days**. Please allow additional time if international delivery is subject to customs processing.

@Walmart



\$26

Turn on and heat until
Solder melts then adjust the
rheostat to operate at that temp



CLEARANCE

Sale Price \$66

ULTRA MINIATURE SMD VC/TCXO

ASVTX-13/ASTX-13



2.0 x 1.6 x 0.8mm



ESD Sensitive



RoHS
Compliant

Moisture Sensitivity
Level (MSL) -1

FEATURES:

- Industry smallest 2.0 x 1.6 x 0.8mm
- Low current consumption 1.5mA at 26MHz
- Vc function ideal for PLL application
- Suitable for RoHS complaint reflow

APPLICATIONS:

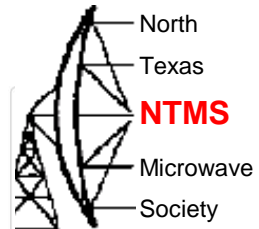
- Cellular and cordless phones
- Standard reference oscillator for test equipment
- Mobile communication equipment
- Portable radio equipment and music player
- Phase Locked Loop

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	10	-----	52	MHz	
Standard Frequencies	10, 16.368, 19.2, 26, 38.4, 52			MHz	16.368MHz VCTCXO is available upon request. Please contact Abracon for details.
Operating Temperature	-30	-----	+75	°C	
Storage Temperature	-40	-----	+85	°C	
Frequency Stability $\Delta f/f_0$ vs Tolerance (@+25°C)	-2.0	-----	+2.0	ppm	+25°C, Vcon=1.4V After 2- reflow
Temperature (ref. to +25°C)	-1.5	-----	+1.5		See option (Table 1)
Supply Voltage Change (Vdd±5%)	-0.2	-----	+0.2		
Load Change (ZL±10%)	-0.2	-----	+0.2		
Supply Voltage (Vdd)	+2.85	+3.0	+3.15	V	Option A
	+2.66	+2.8	+2.94		Option B
	+1.71	+1.8	+1.89		Option C
	+1.25	+1.3	+1.45		Option D



Order through RFMC.com



MX-5030-EAE-3080-10M0000000

TCXO - Temperature Controlled from Microsemi Corp

MCXO, 10MHz

Status: Standard | Data Sheet:  | RoHS Compliance: 

High Precision Microprocessor Controlled Crystal Oscillator

Utilising Vectron's Ultra Smooth Compensation (USC) algorithm, the MX-503 family offers Low Power consumption and excellent Phase Noise and Allan Deviation. Able to operate in high temperature environments the device is ideal for use in 1588 applications such as Radioheads in 5G applications.

Frequency Range 8 to 50 MHz, Standard Frequencies: 10, 12.8, 16.384, 19.2, 20, 22.184, 24.576, 25, 38.4, 40MHz

Specifications	Support Material	Related Products	Technical Inquiry
Part Number:	MX-5030-EAE-3080-10M0000000		
Manufacturer:	Microsemi Corp		
Frequency:	10 MHz		
Output Type:	HCMOS		
Supply Voltage:	3.3 V		
Stability:	0.3 ppm		
Operating Temperature:	-40°C to 85°C °C		
Package Size:	14.4 mm		

MX-503

Frequency Stabilities ^{1,3} (Standard - 8 to 26 MHz)						
Parameter	Min	Typical	Max	Units	Condition ²	Options ³
vs. operating temperature range referenced to (dFmax+dFmin)/2	-30		+30	ppb	-40 to +85°C	Options ³
	-50		+50	ppb	-40 to +85°C	
	-20		+20	ppb	-20 to +70°C	
	-30		+30	ppb	-20 to +70°C	
In a 24h period at constant temperature	-5		+5	ppb	after 7 days of continuous operation	
Frequency vs. temperature slope		±1.0		ppb/°C	-30 to +80°C, 10 & 20MHz	
		±1.5		ppb/°C	-40 to +85°C, 10 & 20MHz	
Initial tolerance	-0.5		+0.5	ppm	$V_s \pm 5\%$ static Load $\pm 10\%$ static after 30 days of operation after 30 days of operation	
vs. supply voltage change	-10		+10	ppb		
vs. load change	-10		+10	ppb		
vs. aging / 1. year	-0.8		+0.8	ppm		
vs. aging / 10 years	-2.5		+2.5	ppm		

MX-503

Additional Parameters						
Phase Noise ⁴		-65		dBc/Hz		1 Hz
		-93		dBc/Hz		10 Hz
		-118		dBc/Hz		100 Hz @ 20MHz
		-140		dBc/Hz		1 kHz
		-154		dBc/Hz		10 kHz
		-156		dBc/Hz		100 kHz

Notes:

1. Contact factory for other frequencies. Not all options and codes are available at all frequencies.
2. Unless otherwise stated conditions are valid at $F=20\text{MHz}$; $V_s=3.3\text{V}$; $V_c=1.65$; $T=25^\circ\text{C}$; Output Signal=HCMOS; load=15pF
3. Contact factory for availability.
4. Phase noise degrades with increasing output frequency.

Subject to technical modification.