

# LineTap

Model 8140T



## Specifications

### Output Frequency Choices:

10, 5, 1, or 0.1 MHz (specify for each LineTap)

### Output Levels:

600 mV rms sine wave into 50 ohms  
TTL-compatible when used without termination

**Input Signal:** 10 MHz from Model 8140

**Harmonic Distortion:** -40 dB typical

**Reverse Isolation:** 80 dB typical

### Power:

DC power is supplied via the coaxial trunk line from a Spectracom Distribution Amplifier

## PHYSICAL & ENVIRONMENTAL

**Size:** 5.25" W x 2.63" H x 1.71" D (133 x 67 x 43 mm)

**Hole Pattern:** 4.75" x 1.75" (121 x 44 mm)

**Weight:** 1 lb.

**Connectors:** BNC (input tee included)

### Temperature:

0° to 50° C (32° to 122° F) operating  
-40° to 85° C (-40° to 185° F) storage

**Humidity:** 95% R.H. non-condensing

## ORDERING INFORMATION

For 10 MHz sine wave output tap, specify 8140T10  
For 5 MHz sine wave output tap, specify 8140T5  
For 1 MHz sine wave output tap, specify 8140T1  
For 100 kHz sine wave output tap, specify 8140TR1

[www.spectracomcorp.com](http://www.spectracomcorp.com)

USA | 95 Methodist Hill Drive | Rochester, NY 14623 | +1.585.321.5800 | sales@spectracomcorp.com

FRANCE | 3 Avenue du Canada | 91974 Les Ulis, Cedex | +33 (0)1 64 53 39 80 | sales@spectracom.fr

UK | 6A Beechwood | Chineham Park | Basingstoke, Hants, RG24 8WA | +44 (0)1256 303630 | info@spectracom.co.uk

SWEDEN | Box 20020 | 161 02 Bromma, Sweden | +46 8 598 510 00 | info@pendulum.se

# MultiTap

Model 8140MT

## Specifications

### Output Frequency Choices:

Three square wave outputs per MultiTap. 1.5 V p-p into 50 ohms. There are four groups of output frequency choices. Once a group is chosen, each of the three outputs may be set to any frequency in the group.

For a 10 MHz input, the outputs are:

A	B	C	D
5	5	1	1
1	0.5	0.2	0.1
1	0.1	0.04	0.02
0.04	0.02	0.008	0.004

### Frequency Input:

Typically 10 MHz. TTL input range is 1 kHz to 20 MHz; since input range is 100 kHz to 20 MHz. 300 mV p-p to 5 V p-p sine; high impedance. Output frequencies are proportional to input frequency. Coaxial input line must be properly terminated.

### Power:

DC power is supplied through the coaxial trunk line from a Spectracom Distribution Amplifier. An optional AC/DC adapter allows the MultiTap to be driven from sources other than a Spectracom Distribution Amplifier. External power must always be used if any output frequencies desired are less than 100 kHz even if used with a distribution amplifier.

## Physical & Environmental

### Connector:

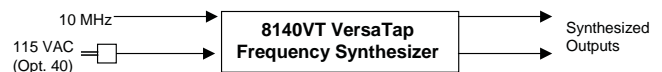
BNC (input tee included)

Power: 2.1 mm I.D. DC jack

All other physical and environmental parameters are the same as 8140T.

## Ordering Information

Specify Model 8140MT plus Option 40 for 115 VAC adapter.



### Stand Alone Operation

June 4, 2010 - 8140TMT (F)

Specifications subject to change or improvement without notice.  
Spectracom is a company of the Oralita Group. © 2010 Spectracom

