VECTRON INTERNATIONAL
A **DOVER** TECHNOLOGIES COMPANY

267 Lowell Road, Hudson, New Hampshire 03051-0917 USA   Tel: 603-598-0070   Fax: 603-598-0075   http://www.vectron.com

Electrical Specifications

| Parameter	Min	Typical	Max	Units	Notes
Center Frequency		44		MHz	
Insertion Loss		19.8	21.0	dB	1
Passband Variation		0.34	0.6	dB	2
Group Delay Variation		58	75	nsec	3
Phase Linearity		1.85	3.0	Deg p-p	4
Bandwidth @ 3 dB	6.000	6.070		MHz	1
Bandwidth @ 38 dB		7.335	7.670	MHz	1
Lower 3 dB Band Edge		40.965	41.000	MHz	1
Upper 3 dB Band Edge	47.000	47.035		MHz	1
Lower 38 dB Band Edge	40.165	40.328		MHz	1
Upper 38 dB Band Edge		47.663	47.835	MHz	1
Temperature Coefficient		-75		ppm/°C	
Operating Temperature		25		°C	

1) Measured (Referenced) at 44 MHz.
2) Measured as the delta between maximum and minimum level across 44 +/- 2.5 MHz (41.5 to 46.5 MHz).
3) Measured as the delta between maximum and minimum level across 44 +/- 2.1 MHz (41.9 to 46.1 MHz).
   Measured with a smoothing aperture of 78.75 KHz.
4) Measured as the delta between maximum and minimum level across 44 +/- 2.1 MHz (41.9 to 46.1 MHz).

Typical Response Curve
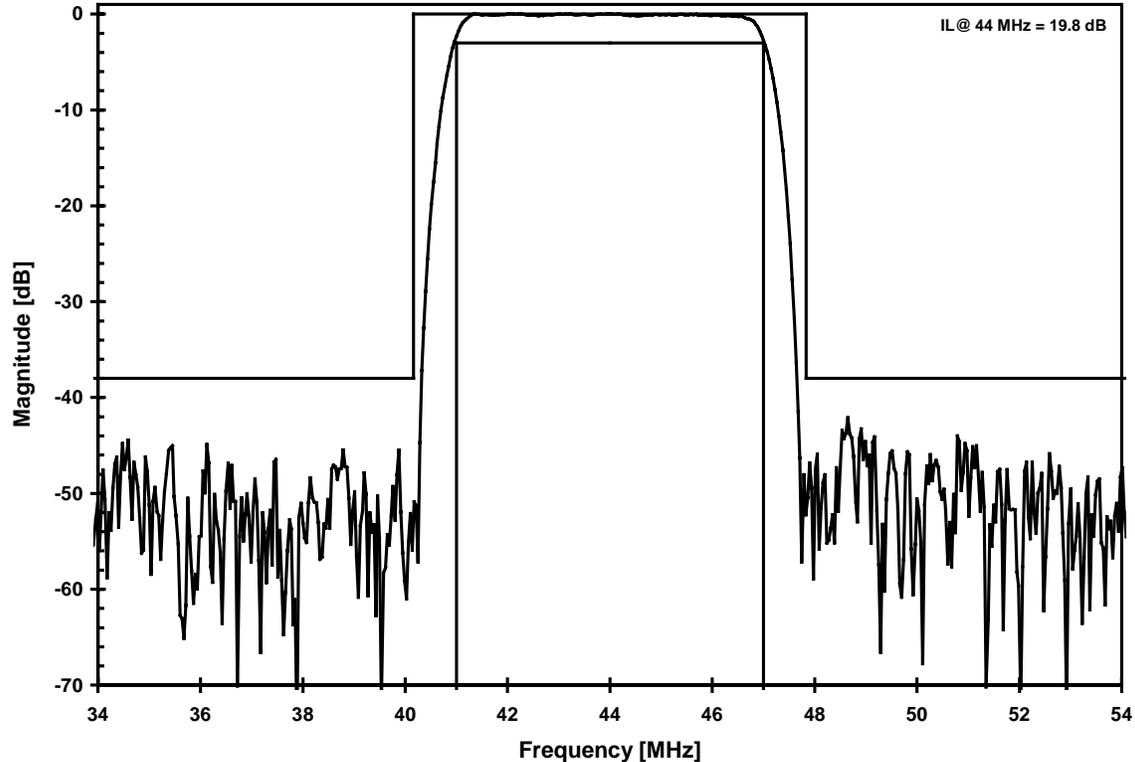
IL @ 44 MHz = 19.8 dB

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Package Details

24.64

VI   **TFH44A**
                Yww
△

9.00

2.55 max

.95
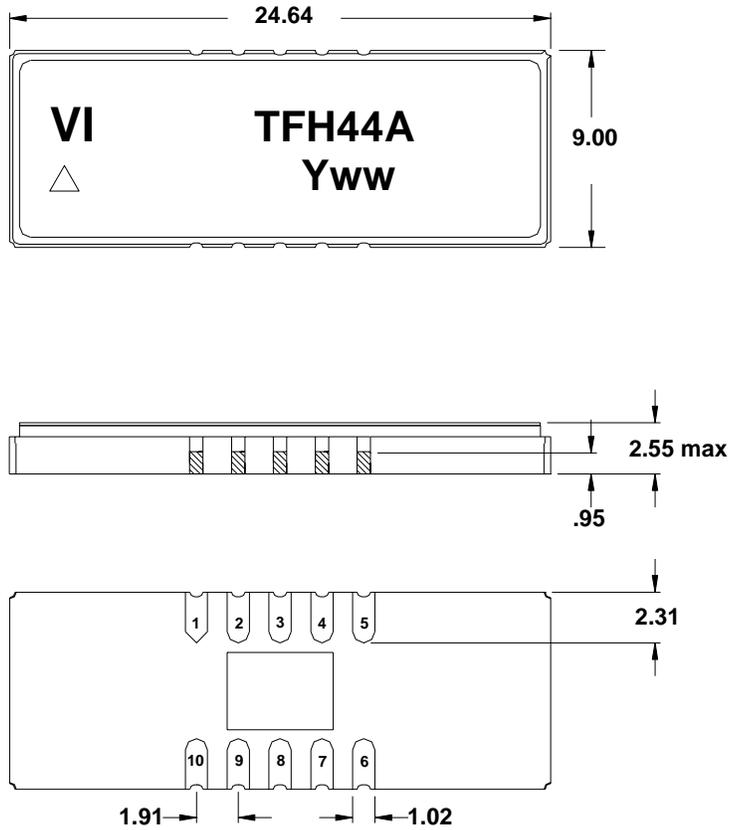
Pin Configuration

Input: 10
Input Return: 1
Output: 5
Output Return: 6
Ground: 2,3,4,7,8,9

| 1 | 2 | 3 | 4 | 5 |

| 10 | 9 | 8 | 7 | 6 |

2.31

1.91   **1.02**

Matching Network

10   6

1   5

50 Ohms
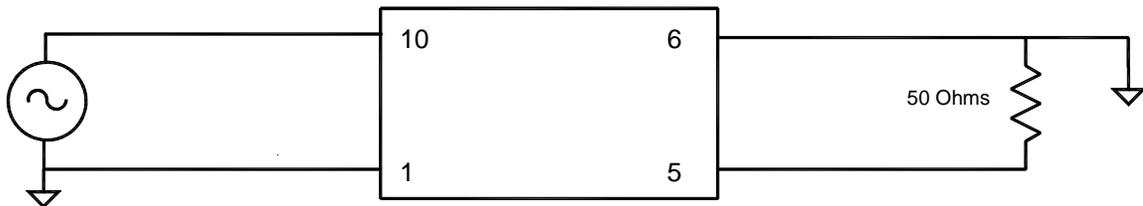
Single Ended Input and Output
Source / Load Impedance 50Ω
No external tuning is required for this device.