



TEA4000-7 Rev I Dec 2009

DESCRIPTION

The TEA4000-7 is a Laboratory-quality, RF Digital Attenuator with 31.75dB dynamic range and only 2dB insertion loss.

The TEA4000-7 is the smallest USB microwave DSA available and is also priced significantly below the current market offerings.

Applications include dynamically setting gain or power. When combined with a power sensor ALC or AGC loops can be implemented.



Use of the optional HUB allows the DSA to remain in a given state even after the host PC is removed from the system.

The attenuator also contains 0.5GB of flash memory used for installation files, test data and other supporting documentation. Drivers, utilities and documentation are available on the attenuator itself.

CALIBRATION

Full results of factory test data are stored in the each units flash memory and available through the USB interface.



RF DESIGN SERVICES

BENEFITS

31.75dB Dynamic Range

USB 2.0 Interface

50MHz to 4GHz



FEATURES

Low Insertion Loss

PC Software supported

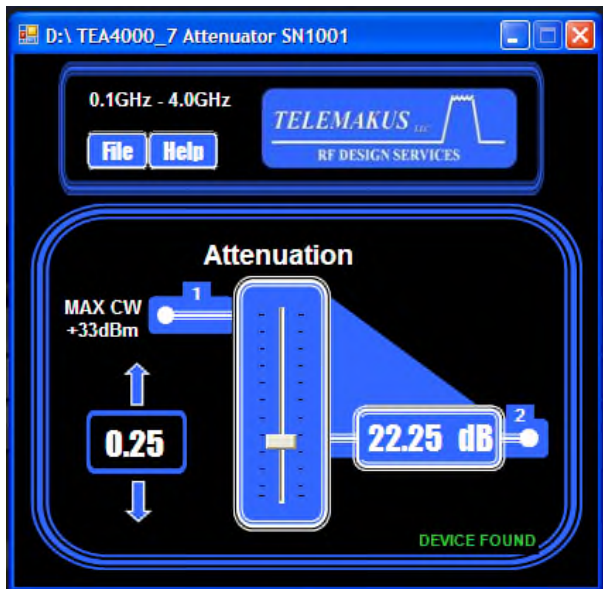
7 bit, 0.25 step size

Max input +23dBm

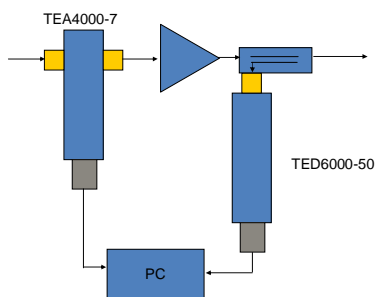


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Easy to use graphical Interface with both numeric entry or slider controls.



Typical Configuration
Automatic level control



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Ordering information

Model	Frequency	Max Input
TEA4000-7	50MHz to 4GHz	+23dBm

Specifications

Parameter	Specification
Freq Range	50MHz to 4GHz
Dynamic Range	31.75dB
Insertion Loss	2.4dB Max
Interface	USB 2.0
Current	150mA @5V
Step Size	0.25dB
High Linearity	+59dBm IIP3
PI dB	+30dBm peak
Max Average Power	+23dBm
RF Connectors	SMA Male/Female
USB Connector	Mini A

Environmental

Temperature Range	-40 to +55 degC
Not Environmentally sealed	

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