

DESCRIPTION

The TEA4000-7 is a Laboratory-quality, RF Digital Attenuator with 31.74dB dynamic range and only 1dB 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 switch 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 test data performed at the factory results are stored on the each unit is .s2p format in Flash. user.



RF DESIGN SERVICES



TEA4000-7

Rev I June2009

BENEFITS



31.75dB Dynamic Range

USB 2.0 Interface

50MHz to 4GHz

FEATURES



Low Insertion Loss

PC Software supported

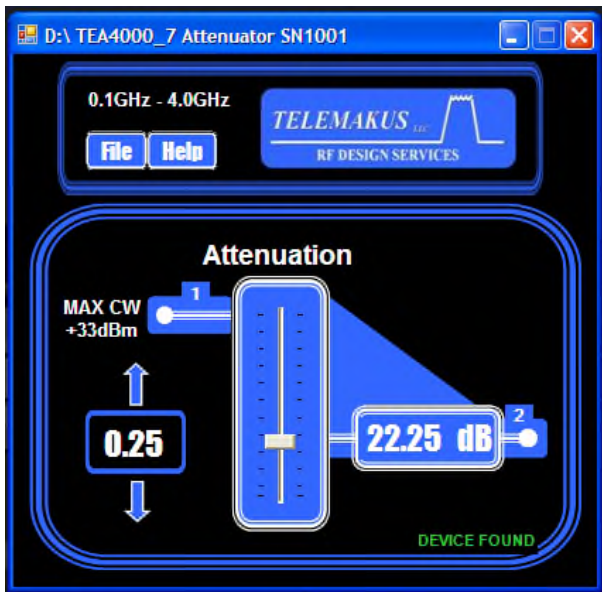
7 bit, 0.25 step size

Max input +23dBm

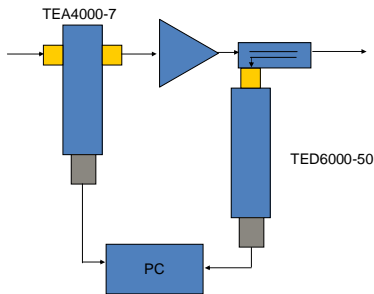


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Easy to use graphical Interface with both numeric entry or slider controls.



Typical Configuration
Automatic level control



TEA4000-7 Rev I JUN 2009

Ordering information

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

Specifications

Parameter	Specification
Freq Range	50MHz to 4GHz
Dynamic Range	31.75dB
Interface	USB 2.0
Current	150mA @5V(TED6000-50)
Step Size	0.25dB
High Linearity	+59dBm IIP3
PI dB	+30dBm
RF Connectors	SMA Male/Female
USB Connector	Mini A

Environmental

Temperature Range	-40 to +55 degC
Not Environmentally sealed	

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