



## TA0L50VA: 0-50GHz System Amplifier

*High power, extremely wide bandwidth, high gain*

- 200kHz to 26GHz: 30dB gain, 21dBm Psat
- 200kHz to 45GHz: 27dB gain, 17dBm Psat
- very small size: 3.5 x 3.5 x 1 inch
- Also available in 30G version: TA0L30VA

Apps: RF source amplifier, general purpose gain block, mixer LO amplifier, noise figure system amplifier or low noise amplifier, antenna system amplifier, pulse amplifier (good pulse-response)



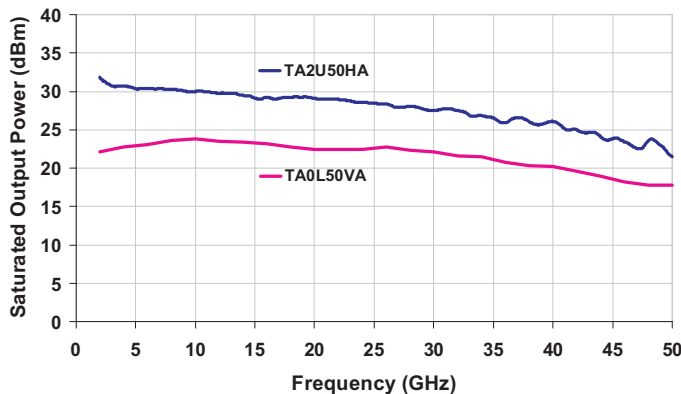
## TA2U50HA: 2-50GHz Power System Amplifier

*Ultra-high power, wide bandwidth, high gain*

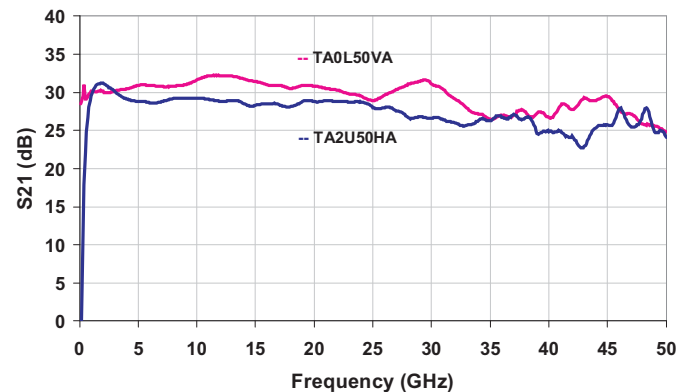
- 2 to 10GHz: 28dB gain, 1W (30dBm) Psat
- 2 to 40GHz: 25dB gain, 25dBm Psat
- small size: 5.5 x 4.5 x 2.75 inch

Apps: Lab and test applications where RF power is required: saturated RF amplifier testing, TWT amplifier driver, antenna system amplifier

System Amplifiers - Power Comparison



Centellax System Amplifiers - S21 (Gain) Comparison



## TD40MCA: DC-40GHz Divide-by-2/4/8

- 2.9mm input, 3x SMA simultaneous outputs
- high input sensitivity, low jitter (<500fs)
- very low phase noise (153dBc/Hz @ 100kHz offset)
- Also available in 20G version: TD20MCA



Apps: generating low jitter trigger signals for high-speed oscilloscopes (ie: scope with 50GHz BW may require a low-freq trigger (<2.5GHz); use div/8 output as trigger for a 20GHz signal)

accessories include an AC power supply; visit <http://www.centellax.com/> or email [sales@centellax.com](mailto:sales@centellax.com) for quote

# Microwave Prescalers



## UXC20PE: DC-20GHz Divide-by-2/4/8 Eval Board

Low-noise programmable divider (UXC20P: 4x4mm QFN) eval

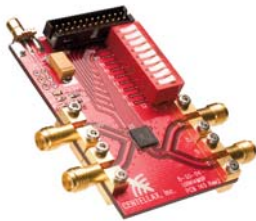
## UXD20PE: DC-20GHz Divide-by-2/4/8 & -1/2/4/8 Eval Board

Low-noise programmable divider (UXD20P: 4x4mm QFN) eval

## UXM15PE: DC-15GHz Divide-by-2/4/8 & -4/5/6/7/8/9 Eval Board

Low-noise programmable divider (UXM15P: 4x4mm QFN) eval

- Phase noise: -153dBc @ 10kHz, Amplitude: >1Vpp / side
- Single or differential operation, low power consumption, lead-free



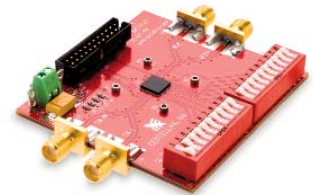
## UXN14M9PE: 14GHz Programmable Integer Prescaler Eval Board

- UXN14M9P prescaler  
6x6mm QFN
- DC to 14GHz operating range
- Variable divide ratios: 8 to 511  
(contiguous)
- Single or differential operation
- Lead-free



## UXN6M9PE: 9GHz Programmable Integer Prescaler Eval Board

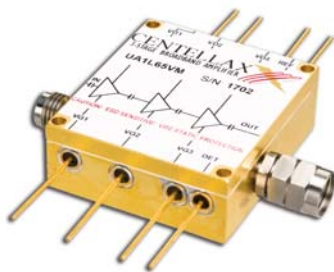
- UXN6M9P prescaler  
6x6mm QFN
- DC to 9GHz operating range
- Variable divide ratios: 8 to 511  
(contiguous)
- Single or differential operation
- Lead-free



## MX1DS10PE: 15GHz Ultra-Variable Broadband Prescaler Eval Board

- MX1DS10P prescaler  
6x6mmQFN
- DC to 15GHz operating range
- Variable divide ratio: 2 to 2<sup>20</sup>  
(2, 4, 8, 16 ...)
- Single or differential operation
- Lead-free

# Microwave Amplifiers



## UA1L30VM: 1-30GHz Amplifier Module

- High power, high gain, 30GHz bandwidth
- <30GHz: typ 30dB gain, 21dBm Psat
- K-connectors for SMA Compatibility

## UA1L65VM: 1-65GHz Broadband Amplifier Module

- High power, high gain, ultra-broadband
- <45GHz: typ 27dB gain, 20dBm Psat
- 2.4mm connectors for V-Connector Compatibility