

TUNABLE FILTERS

Fast tuning, high performance bandpass and notch filters to improve RF communications and signal processing

Dedicated to innovation, quality and customer satisfaction.

www.dovermpg.com/polezero

TUNABLE FILTER PRODUCT LINES

BANDPASS AND NOTCH

NANO-POLE®

- Frequency Coverage: 30 MHz to 3 GHz (multiple bands)
- Tuning Time: 15 μ s typical
- In-Band RF Power: +6 dBm (input) typical
- RF Connection: SMT Castellations
- .79 x .79 x .20 (in.) / 20 x 20 x 5 (mm.)



MINI-POLE®

- Frequency Coverage: 30 to 700 MHz (multiple bands)
- Tuning Time: 10 μ s typical
- In-Band RF Power: +30 dBm (input) typical
- RF Connection: Thru-Hole Pins
- 0.6 x 1.4 x 2.3 (in.) / 15 x 36 x 58 (mm.)



MINI-SMT®

- Frequency Coverage: 700 to 3000 MHz (multiple bands)
- Tuning Time: 4 μ s typical
- In-Band RF Power: +30 dBm (input) typical
- RF Connection: SMT Castellations
- 1.5 x 1.5 x 0.25 (in.) / 38 x 38 x 64 (mm.)



HF-ERF™

- Frequency Coverage: 1.5 to 30 MHz
- Tuning Time: 100 μ s typical
- In-Band RF Power: up to 27 dBm (input) typical
- RF Connection: SMT pins
- 2.0 x 2.8 x 0.6 (in.) / 51 x 71 x 15 (mm.)



MAXI-POLE®

- Frequency Coverage: 1.5 to 400 MHz (multiple bands)
- Tuning Time: 10 μ s typical
- In-Band RF Power: +30 dBm (input) typical
- RF Connection: SMA jack
- 1.5 x 2.5 x 3.3 (in.) / 38 x 64 x 83 (mm.)



POWER-POLE®

- Frequency Coverage: 30 to 400 MHz (multiple bands)
- Tuning Time: 15 μ s typical
- In-Band RF Power: up to +43 dBm
- RF Connection: SMA jack
- 2.6 x 3.0 x 4.0 (in.) / 67 x 76 x 102 (mm.)



MEGA-POLE®

- Frequency Coverage: 30 to 400 (non-contiguous)
- Tuning Time: < 25 μ s typical
- In-Band RF Power: 50 W average, 100 W peak
- RF Connection: TNC Jacks
- 6.0 x 7.6 x 3.6 (in.) / 152 x 190 x 91 (mm.)



FEATURED PRODUCTS

New!

VOLTAGE TUNABLE FILTERS (VTFs)

- Frequency Coverage: 1 to 20 GHz (multiple bands)
- Tuning Time: 200 ns typical
- In-Band RF Power: +6 dBm (input) typical
- RF Connection: SMT Castellations



New!

NANO-ERF®

- Frequency Coverage: 30 to 520 MHz
- Tuning Time: 25 μ s typical, 35 μ s max.
- In-Band RF Power: +6 dBm (input) typical
- RF Connection: SMT Castellations
- 1.1 x 1.1 x 0.2 (in.) / 28 x 28 x 6 (mm.)



New!

MINI-ERF®

- Frequency Coverage: 30 to 520 MHz
- Tuning Time: 15 μ s typical
- In-Band RF Power: +30 dBm (input) typical
- RF Connection: SMT Castellations
- 2.4 x 1.6 x 0.4 (in.) / 61 x 45 x 10 (mm.)



New!

ERF-5W™

- Frequency Coverage: 30 to 520 MHz
- Tuning Time: 25 μ s typical, 50 μ s max.
- In-Band RF Power: 5 Watts (input) average
- RF Connection: SMA Jacks
- (Single) 4.7 x 6.8 x 1.0 (in.) / 119 x 173 x 25 (mm.)
- (Dual) 4.7 x 6.8 x 1.9 (in.) / 119 x 173 x 48 (mm.)



New!

ICE1006

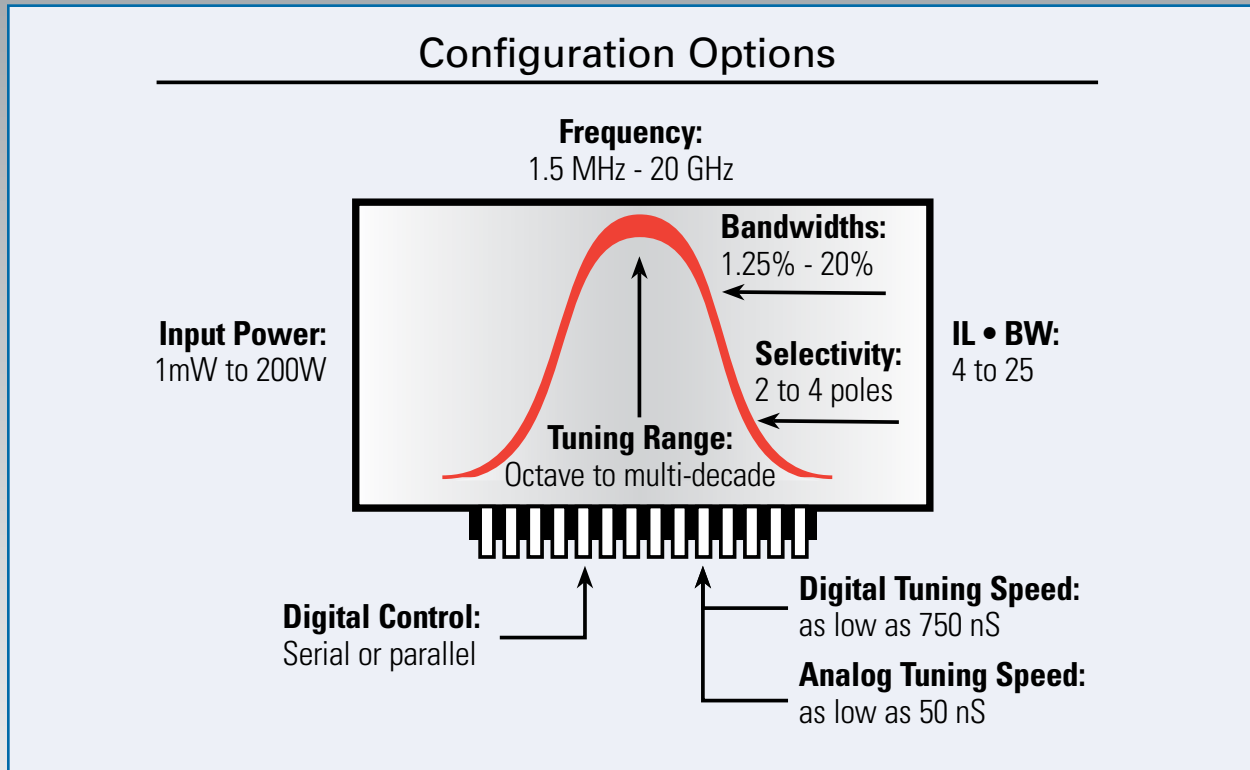
- Frequency Coverage: 30 to 512 MHz
- Tuning Time: 25 μ s typical
- In-Band RF Power: +30 dBm (input) typical
- RF Connection: SMA Jacks
- 1.0 x 3.8 x 2.8 (in.) / 25 x 95 x 70 (mm.)



Pole/Zero is the premier solution provider for communication problems arising from RF interference.

Our products include Tunable Filters, Integrated Cosite Equipment (ICE), Low Noise and Cosite Power Amplifiers.

Low-loss, narrow-band, solid-state, tunable hopping filters are available in bandpass and notch options from 1.5 MHz to 20 GHz with power handling up to 200 W Peak.



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