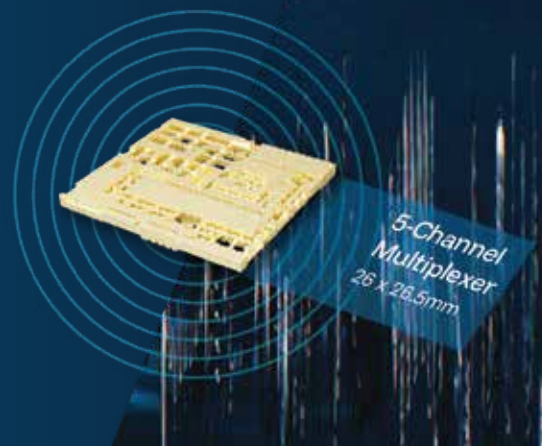


## Monolithic Micro Multiplexers

# Clear Signals in a Compact Package: Nuvotronics $\mu$ MUX™ Filters Out the Noise

Superior RF performance in a single, ultra-compact chip. By cutting insertion loss and blocking adjacent-channel interference,  $\mu$ MUX lets your radio hear weaker signals from farther away while freeing up precious board space, power budget, and BOM cost.



The Nuvotronics  $\mu$ MUX portfolio outperforms traditional multiplexers with **sub-1 dB loss and mmWave bandwidth.**

**Quarter-the-Size Form Factor** – Monolithic design is 4X smaller than conventional discrete multiplexers, freeing PCB real estate for processors, batteries, or added functionality.

**Longer Reach, Clearer Reception** – Ultra-low insertion loss boosts receiver sensitivity so you capture low-level signals and extend operational range.

**Interference-Proof Communications** – High adjacent-channel rejection keeps out nearby chatter, delivering cleaner data streams and fewer packet retries in crowded RF environments.

**Miniature SMT Size and Light Weight** – Powerful performance in a small package.



## $\mu$ MUX Applications

### Commercial & Government SatCom

- Ground gateways and user terminals
- Inter-satellite and feeder links

### Defense / Aerospace RF

- Electronic-warfare (EW) receivers—air, ground, naval
- ISR pods, SIGINT sets, radar warning receivers
- Missile & precision-guided-munitions seekers

### UAVs, CubeSats & other SWaP-constrained platforms

### Test & Measurement

- Portable spectrum/network analyzers
- ATE frequency heads & channel emulators



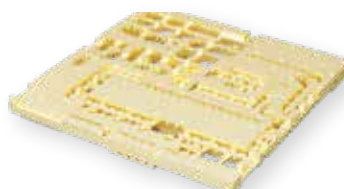
**5-Channel  
Multiplexer**

PSM0218B5S  
2GHz-18GHz



**4-Channel  
Multiplexer**

PSM06408B4S  
6GHz-40GHz



**3-Channel  
Multiplexer**

PSM0206B3S  
2GHz-6GHz



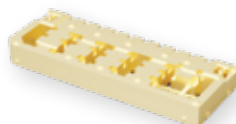
**40 GHz  
Lowpass Filter**

PSFL40S



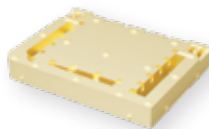
**18 GHz  
Lowpass Filter**

PSFL18S



**12 GHz  
Lowpass Filter**

PSFL12S



**6 GHz  
Lowpass Filter**

PSFL06S



**18 GHz "Cross-Over" LPF  
& BPF Diplexer**

PSD1840B2S



**18 GHz "Cross-Over" LPF  
& HPF Diplexer**

PSD1840B2SV2



◀ Scan to see the  $\mu$ MUX portfolio and specifications