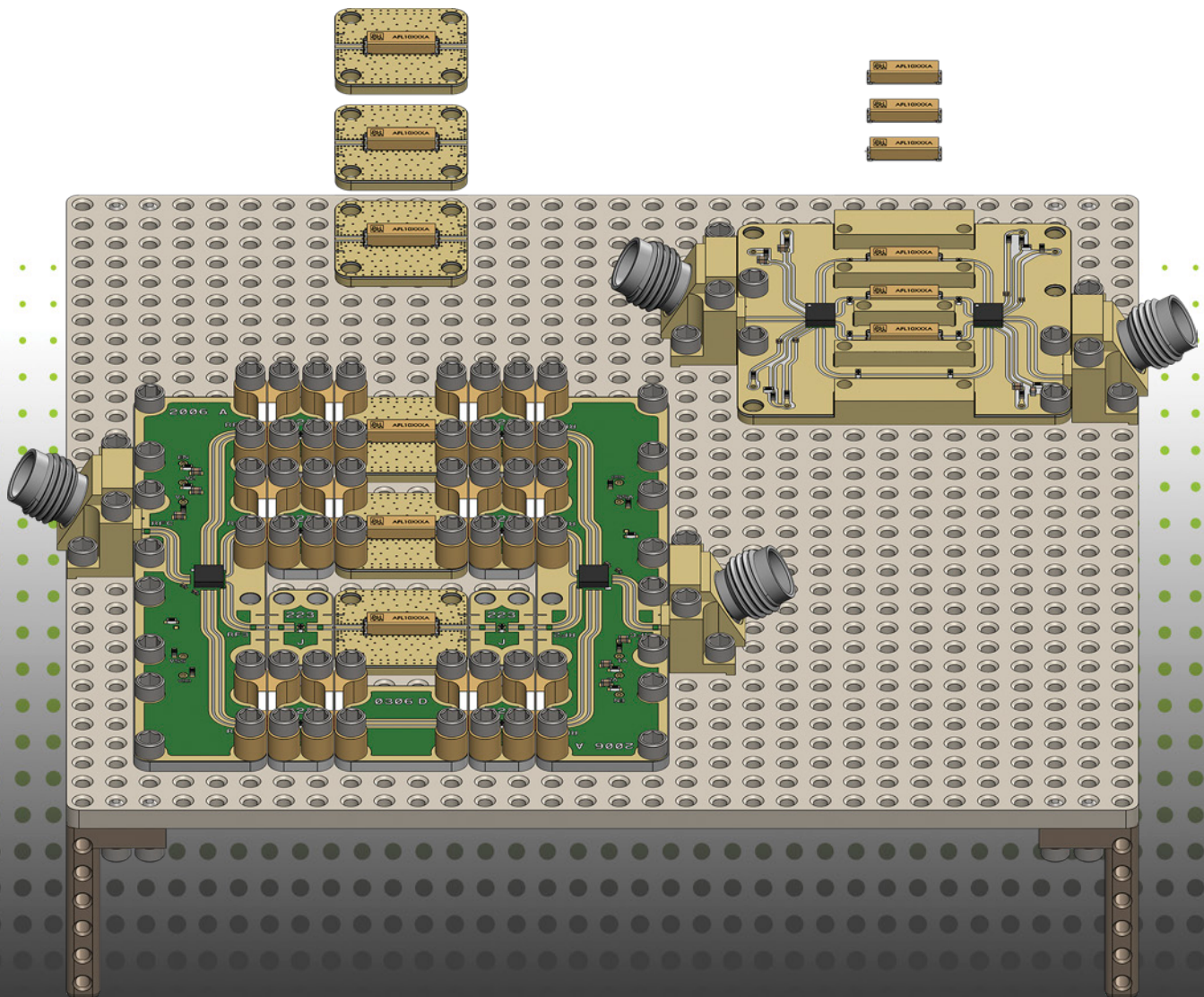


Spotlight on



X microwave

DLI's X-MWblock® Availability

Modular Building Block System

Over 250 DLI X-MWblock Drop-In components covering many RF-device categories

- Drop-In and Connectorized options
- Prototype full signal chains
- Standard and custom production Integrated Microwave Assemblies



Band Pass Filters



High Pass Filters



Band Stop Filters



Low Pass Filters



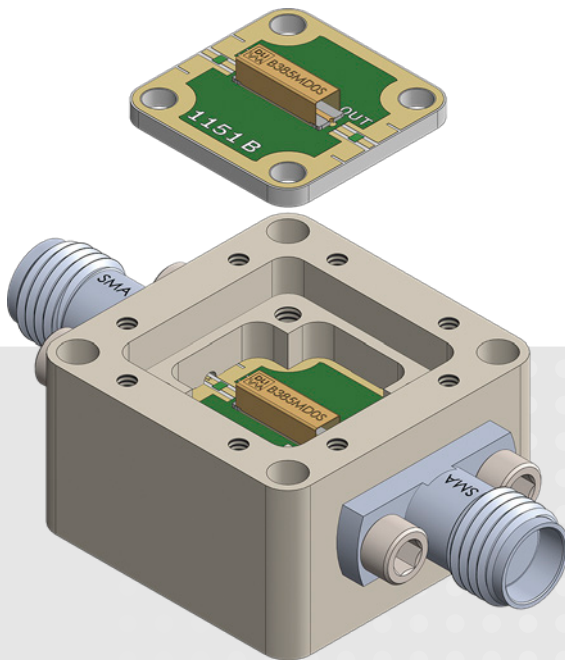
Couplers



Splitters & Combiners



Equalizers



FEATURED PRODUCT

B385MDOS Band Pass Filter

XM-B7N3-0404D

- Manufacturer Info & Specs
- Live S-Parameter Plot
- Drop-In
- Connectorized Module
- Integrated Microwave Assemblies

Learn more:

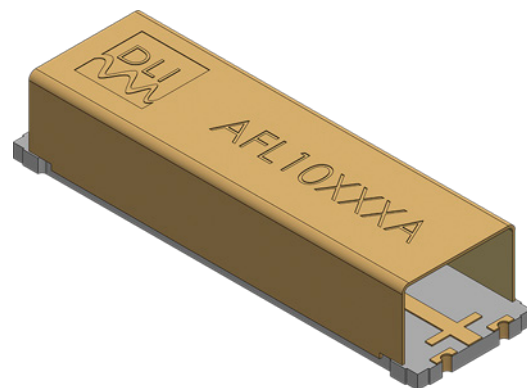
[knowlescapacitors.com](https://www.knowlescapacitors.com) > Microwave Products > Bandpass Filters
[xmicrowave.com](https://www.xmicrowave.com) > Products > X-MWblocks > Manufacturer > DLI



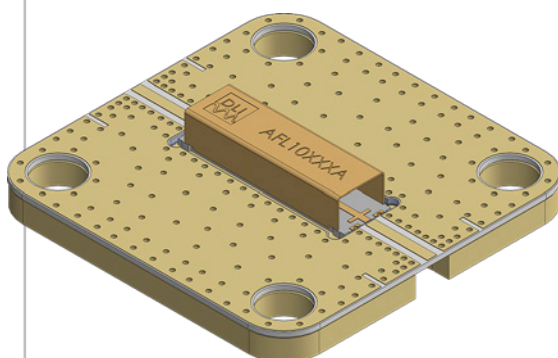
Get on the Grid with X-Microwave

Modular Platform

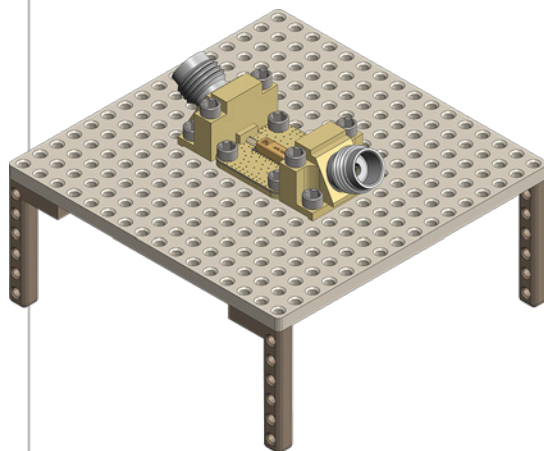
Design → Prototype → Production



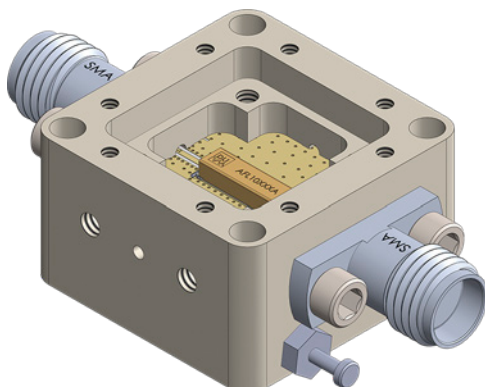
1. DLI Bandpass Filter



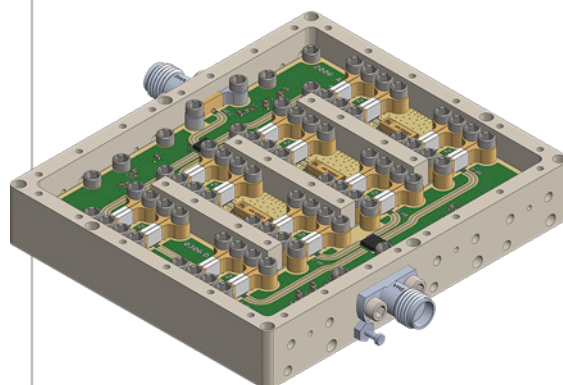
2. Drop-In X-MWblock



3. Drop-In on Prototype Plate



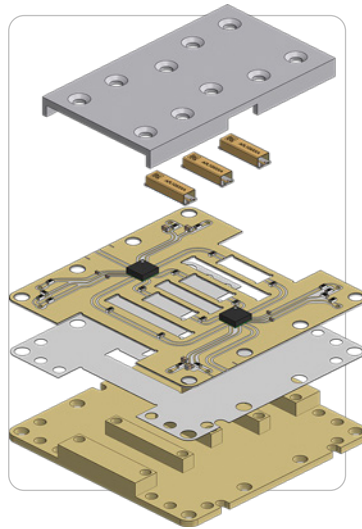
4. Drop-In in Connectorized Module



5. Drop-Ins in Integrated
Microwave Assembly

Knowles DLI brand microstrip bandpass filters offer classical filter topologies yielding excellent performance in a small footprint when fabricated on ceramic substrate materials. Miniaturization can reach new levels by employing DLI high-k ceramic materials. Different techniques are employed to realize small size and high performance. Catalog devices come complete with integrated shielding and the surface mount versions are designed for use on most RF PWB materials.

To learn more, visit
www.knowlescapacitors.com.



DLI Wire Bondable Bandpass Filters in Custom Drop-In Switched Filter Bank

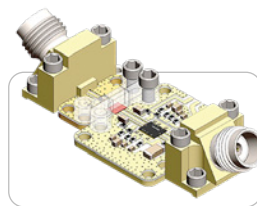
- C to above Ka band Frequencies
- Custom Devices 1–69 GHz
- Designed from 800 MHz to 67 GHz
- Temperature Stable: –55 to 125°C
- Filter Size reduction: up to 20× using CG material, 10× using CF, 3× using PG versus typical PWB
- High Repeatability—Thin Film manufacturing provides precise manufacturing performance; no tuning

X microwave

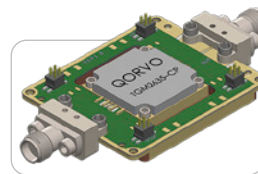
X-Microwave delivers industry-leading performance through advanced RF & Microwave solutions for the most demanding industries—from aerospace and defense to quantum computing to wireless infrastructure and radar. Compounding the value of X-MW's unrivaled domain expertise, our unique modular design system gets you to market faster than ever.

As part of an extended engineering ecosystem and powerful supply chain, we deliver a competitive advantage that extends to every customer.

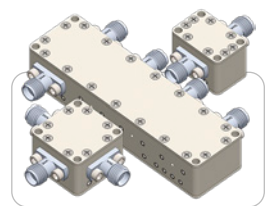
To learn more, visit www.xmicrowave.com.



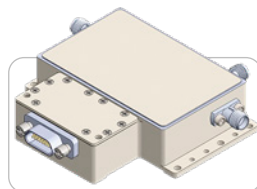
Drop-In Everything



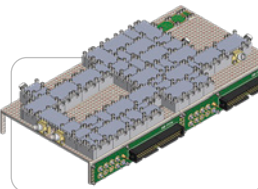
Power Amplifiers



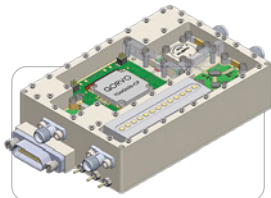
Connectorized Modules



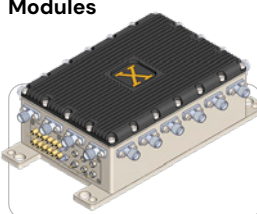
Hermetic Modules



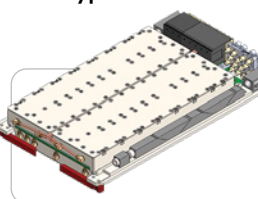
Quick-turn Prototypes



TxRx Modules



Benchtop Housing



OpenVPX

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Optimizing the RF and microwave design process from DC to 100 GHz by seamlessly merging design, prototyping and production.

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