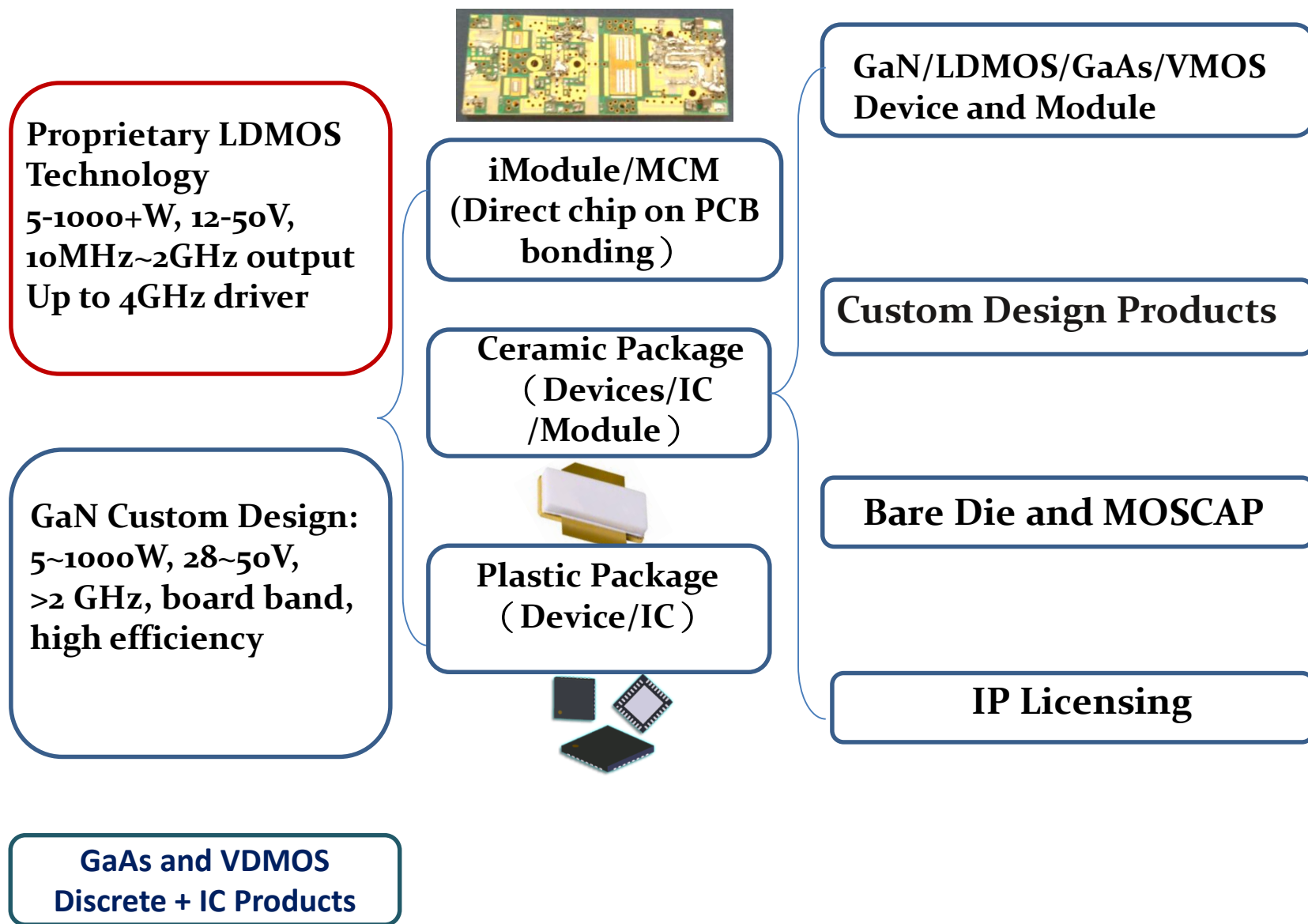
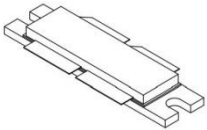
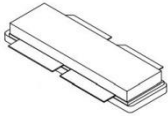
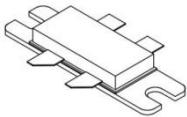
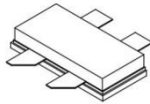
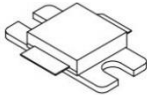
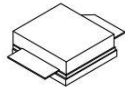
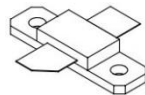
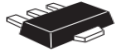
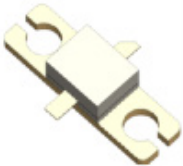

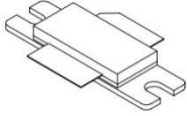
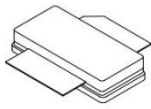

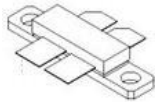

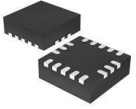


Technologies overview

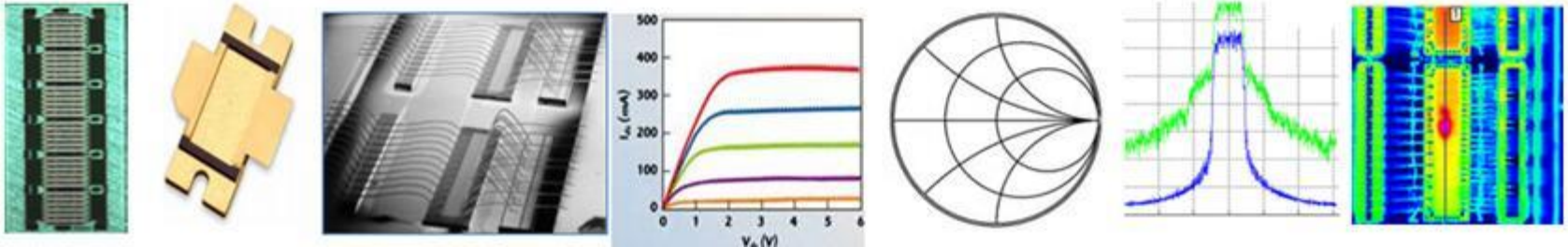


Innogrations standard package

*Additional functionality (bias leads/gull wing) upon request

							
D4E	D4	B4	B4E	A2E	A2	GX/GXE-B	H(sot89)
							
MME	MM	B2E	B2	E2	LB	SP	QFN

R&D, product design,
production flow



• Design

- Active, passive and MMIC die
- Parasitic extraction
- RF and EM simulation
- Application oriented internal matching topologies
- Custom design packaging mechanics and assembly process
- iModule™ and MCM sub-system design

• Characterization

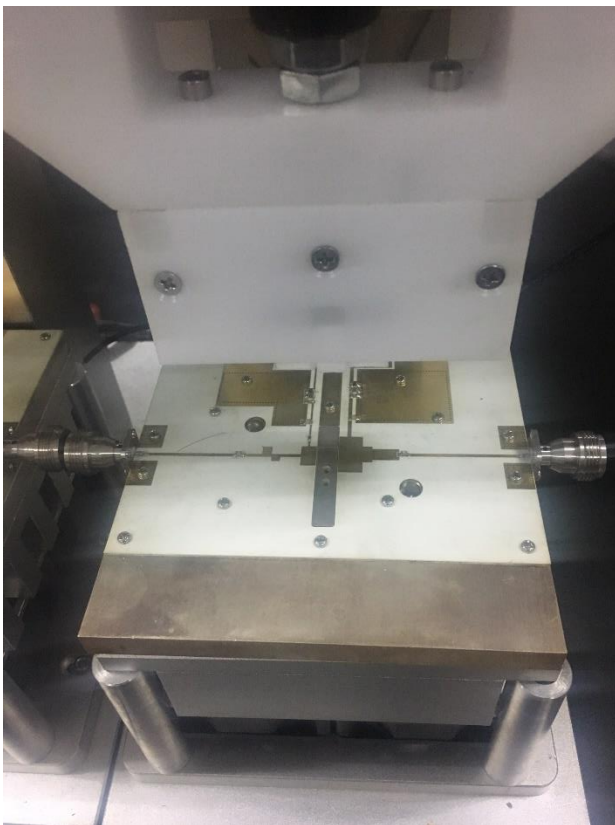
- IV and DC Parameters
- Load-Pull for design optimization
- Device modeling
- Ruggedness and stability
- Thermal analysis

• Complete release circle

- MPW to SPW
- DOE for performance and consistency
- Batch to batch yield verification
- Full reliability test
- Production board development
- Pre-production verification
- Product release

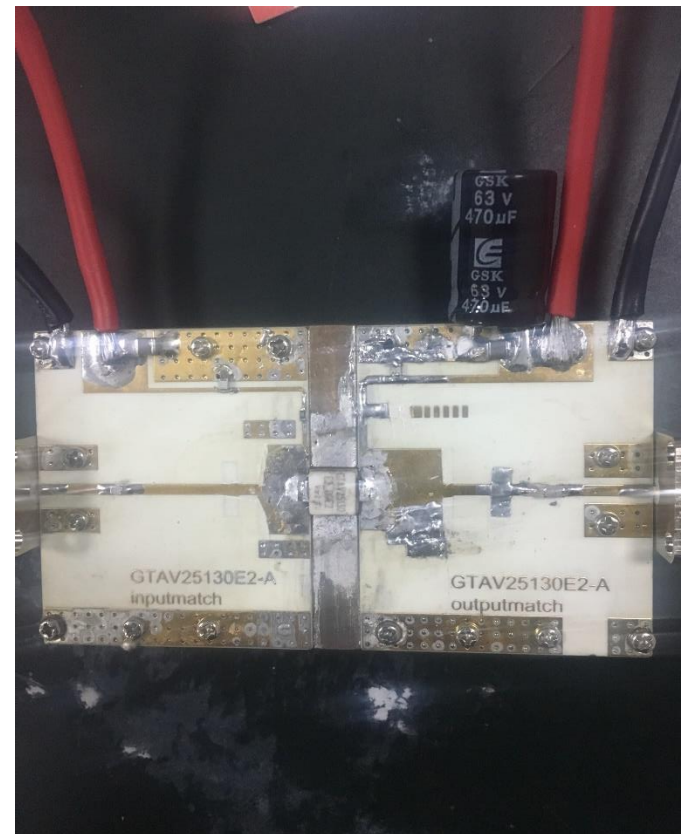
• Application Support

- Class AB/ Class C/Class F/Class J
- Wave shaping and harmonic tuning
- Linearity enhancement by DPD/APD
- Doherty (sym, asym, wideband)
- Ultra wide band and Multi Octave
- High power CW
- Mininature design



Production circuit

- Consistency validation
- Device clamped down
- In principle, only Microstrip match layout, no capacitors



Application circuit

- Optimized for performance only
- Device soldered
- No limitation on layout and BOM

Assembly

Assembly Area

>600M²

Class 10000



Quality, Reliability,
Consistency

Innogrations Technologies is committed to providing quality products and services that meet or exceed customers' requirements by:

- Fully understanding customers' requirements and expectations
- Providing products utilizing proven designs and manufacturing processes
- Developing a highly trained workforce that is motivated, empowered and fully accountable
- Establishing strong relationships with world-class suppliers
- Continually improving the efficiency and effectiveness of business processes and quality management system