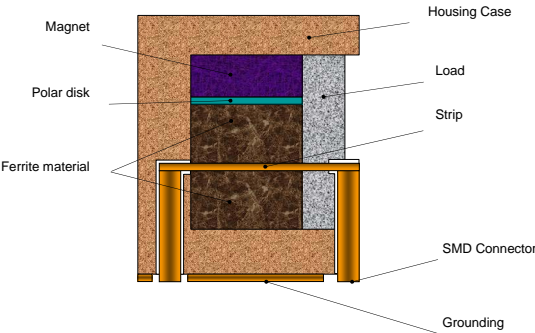


IMICIMO

Integrated Miniature Circulators for microwave Modules



Targets:

◆ New materials and manufacturing technologies for microwave ferrite circulators and isolators

- Reduction of the device size, weight and cost
- Facilitate integration and packaging in mobile telecommunication equipment of new generation
- Low cost and high volume reproducibility

◆ Low temperature co-fired systems (LTCC) for low cost, multi-layer ferrite device structures, integration of ferrite devices with active semiconductor and/or advanced microwave interconnection and packaging techniques for future large volume mm-wave applications.

◆ Set up an high-efficiency European supply chain of microwave ferrite components

Fields of application:

Microwave Transmit/Receive modules for Radars and Telecom applications

Duration:

36 months

Partners:

	Chelton Telecom & Microwave	France
	Thales Research & Technologies	France
	Thales Airborne Systems	France
	LABoratory of Sciences and Technologies for Information, Communication and knowledge (Lab-STICC UMR CNRS 3192)	France
	Temex Ceramics	France
	TKI-Ferrit Development and Manufacturing Ltd.	Hungary
	Budapest University of Technology and Economics	Hungary
	Pro Patria Electronics	Hungary
	Jožef Stefan Institute	Slovenia
	Keko Equipment	Slovenia
	Telecommunication Research Institute (PIT)	Poland

