Space Passive Component Days - Final Programme
Tuesday 13th October 2026

Start Time	End Time	Title
08:30	09:30	Registration Desk Opening
09:30	12:00	ESCC Training Course
12:00	13:00	Lunch
13:00	16:00	ESCC Chief Inspector Meeting (Invitation only)
14:00	16:00	EEE Passives Seminar: AI impact on EEE
16:00	18:00	ESA Site Tour *Only available to pre-registered participants (first come - first served basis)* *Check the confirmed participants' list at the registration desk*

Space Passive Component Days - Final Programme
Wednesday 14th October 2026

Start Time	End Time	Topic	Title	Company
08:30	09:30		Registration Desk Opening	
09:30	09:50		Welcome Speech	
09:50	10:10		Introduction & Instructions	
10:10	10:40	Application, Trends & Needs	ESA Space Passive Components: News, Trends, Activities	ESA/ESTEC, NL
10:40	11:00		Evolving the Enceladus L4 Mission Under New Launcher Conditions	ESA/ESTEC, NL
11:00	11:30	Networking break		
11:30	11:50	Test, Reliability & Evaluation for space	Qualification Results for Cryogenic Temperature Testing of EEE Components in the ESA ARIEL Science Mission	Alter Technology SP
11:50	12:10	Artificial Intelligence (AI)	An Agentic AI Approach to Space Harness Component Selection	MIT Lincoln Laboratory, USA
12:10	13:00	Technical Introduction of Components (TICs) *7min per TIC*	General Presentation Littelfuse Company	C&K Connect - Littelfuse, FR
			Panasonic Polymer Capacitor for Miniaturization and Better Efficiency for Space	Panasonic Industry Europe, DE
			Advanced Thermal Interconnect Solutions for ADHA / Conduction Cooled Form Factors	Performance Interconnect, FR
			Miniaturised Self-Biased Circulators/Isolators for GaN Applications	Exens-Solutions, FR
			Low Profile SMD Mica Capacitors - High Voltage Pulse and Filtering Properties	Exxelia, FR
			Market Challenges MLCC Capacitors HiRel	SRT-Microcéramique, FR
			PCNS 2027 Invitation	EPCI, CZ
13:00	14:30	Lunch		
14:00	14:30	Manufacturers' Private Roadmap	Axon' Cable Roadmap	Aj021
14:30	15:20	Poster Session		
15:20	16:00	Technical Introduction of Components (TICs) *7min per TIC*	ESCC Qualified Magnetics Off The Shelf	Flux A/S, DK
			Kyocera-AVX Ltd Space Level Ceramic Roadmaps	Kyocera-AVX Ltd, UK
			Planar Magnetics for Space Applications	Payton America Inc, USA
			New ESCC Qualifications for Flexible Heaters	IRCA Zoppas Industries, IT
			Development of HDI PCBs Using Low Loss Materials	OKI Circuit Technology, JP
16:00	16:20	New Developments	Board-to-Board Interconnections for High Data Rate	Axon' Cable, FR
16:20	16:40		A Simplified Approach to Choosing a DC Blocking Capacitor	Vishay, USA
16:40	17:00	Evaluation & Qualification	ORBIX: The Cutting-Edge Solution for Modern Space Challenges	Radiall, FR
17:00	17:20	New Developments	Exxelia's Path to RoHS: Ensuring Reliability in Next-Generation Space Capacitors	Exxelia, FR
17:20	17:40	Materials and Processes	High-Permittivity Garnet Ferrites for LTCC Compatible Circulators	Thales Group, FR
17:40	18:00	New Developments	Introduction of New KAVX Low Inductance Polymer Tantalum Capacitors	Kyocera AVX Components, CZ
18:00	21:00	Official SPCD Group Photo Welcome Drink - ESTEC Erasmus High Bay		

Space Passive Component Days - Final Programme

Thursday 15th October 2026

Start Time	End Time	Topic	Title	Company
08:30	09:00	Session Chair & Introduction		
09:00	09:20	Technology Roadmaps	Thales Alenia Space Roadmap on Passive Components	Thales Alenia Space, FR
09:20	09:40	Lessons Learnt or In-Flight Experiences	Lessons Learnt in Space Harness Technologies: Insights from Airbus Defence and Space	Airbus Defence and Space, FR
09:40	10:00	Evaluation & Qualification	HYPERBITS™ Single-Body High-Speed Connector with S-FECT™ Solderless Terminations for ADHA Embedded Space Systems – Progress from Concept to Development to Validation	Performance Interconnect, FR
10:00	10:20		Automotive Polymer Tantalum Capacitors with Capabilities Beyond AEC-Q200 - 48V Application Voltage Adoption for LEO	Yageo Kemet, PT
10:20	10:40	New Developments	Solid-State Polymer Dielectric Capacitors as an Alternative to Aluminum Electrolytics in 48V–120 V Power Electronics	Polycharge America, USA
10:40	11:00	Evaluation & Qualification	The Latest Activities Related to Passive Components in JAXA	JAXA, JP
11:00	11:30	Networking Break		
11:30	13:00	Technical Introduction of Components (TICs) *7min per TIC*	Engineering Anisotropic Thermal Pathway with Pyrolytic Graphite Sheets for High Power	Panasonic Industry Europe, DE
			EZiCoax - Single-Piece, Solderless Coax for Interposer Solutions	Smiths Interconnect, FR
			MicroD Connector: Removable, EMI & Fast-lock	Axon' Cable, FR
			Hybrid Supercapacitors: High-Power Energy Storage Components for Space	Swistor, CH
			Crystal - and Atomic - Clocks for LEO Constellations	Microchip Frequency Technology, DE
			BizLink Cables for Space Applications	BizLink, DE
			Enabling Precision Thermal Control: Rugged TECs for Space & Defence	Azimut Space, DE
			Press fit contact: how ESA qualification unlocked exponential growth	Positronic Amphenol, FR
			Implementation of Latching and Non-Latching Solid-State Relays in Space Systems	Isocom Limited, UK
			RF Filters and Multifunctional Assemblies: Enabling High-Performance Space Systems	Smiths Interconnect, UK
13:00	14:30	Lunch		
14:00	14:30	Manufacturers' Private Roadmap	Panasonic Roadmap	Aj021
14:30	14:50	Commercial Off-The-Shelf (COTS)	ReadyStack – A Stackable Mezzanine-Style Interposer for Board-to-Board Applications	Smiths Interconnect Molex, FR
14:50	15:05		Evaluation of Automotive-Grade Ceramic Capacitors for Space Applications	CNES, FR
15:05	15:20		Evaluation of Commercial-Grade Tantalum Capacitors for Space Applications	
15:20	15:40	Evaluation & Qualification	Enhanced Grade Fuses – Bridging the Gap Between Industrial and Space-Grade Circuit Protection for New-Space Applications	Schurter, CH
15:40	16:00	New Developments	Integrated Magnetic Component for Innovative Power Converter	Exxelia, FR
16:00	16:20	Test, Reliability & Evaluation for space	Reliability Assessments of Automotive Grade Tantalum Capacitors for Space Applications	Columbus Technologies & Services, Inc. (@NASA Goddard) USA
16:20	16:40	New Developments	Study of The Compatibility of 3D-Printed Loads With a Space Environment	Lab-STICC / UBO, FR
16:40	17:00	Networking break		
17:00	18:00	Interactive Panel Discussion	**No EEE, No Sovereignty:** *How can Europe secure access to trusted EEE components and dual-use technologies to strengthen resilience, competitiveness, and strategic autonomy in space and defense?*	
19:30	01:00	Gala Dinner @ Beach Pavillion “De Zeemeeuw“ *Kon. Wilhelmina Boulevard 108, Noordwijk*		

Space Passive Component Days - Final Programme
Friday 16th October 2026

Start Time	End Time	Topic	Title	Company
09:00	09:30	Session Chair & Introduction		
09:30	09:50	Technology Roadmaps	Airbus Defence and Space Harness and Component Roadmap	Airbus Defence and Space, FR
09:50	10:10	Evaluation & Qualification	Space Preliminary Evaluation Testing of Advance POI Technology	Alter Technology, SP
10:10	10:30	Materials and Processes	MINCOR - Minimisation of Crystal Oscillator Cosmic Radiation Effects	Rakon, FR
10:30	10:50	Test, Reliability & Evaluation for space	Battery Lifetime Enhancement in Nanosatellite EPS Using a Semi-Active Battery–Supercapacitor Hybrid Energy Storage System with Robust SoC Estimation	Satellite Development Center, DZ
10:50	11:10	Lessons Learnt or In-flight Experiences	Lessons Learnt on Electromechanical Relays for Earth Observation Applications	ESA/ESTEC, NL
11:10	11:40	Networking break		
11:40	12:00	New Developments	EP2 150 V Capacitors and Series Association for Space Applications	Vishay, FR
12:00	12:20	Test, Reliability & Evaluation for space	Radiation Mitigation in ASIC-Based Oscillators: Comparative Analysis of Design for Resilience and COTS Foundation Approaches	Rakon, FR
12:20	12:40	Materials and Processes	Printed Electronics for Space Applications: an Approach Towards the Integration of Passive Electronics	Tecnalia, SP
12:40	13:00	Closing Session & Award Ceremony		
13:00	14:30	Lunch		

Space Passive Component Days - Final Programme

Poster Session

Wednesday 14th October 2026 @ 14:30

Title	Company
Pore-Engineered N,S Co-Doped Activated Carbon Decorated with Vanadium Nitride Nanoparticles for Dual Aqueous and Organic Supercapacitors	SDU, DK
In-Orbit Assessment of Radiation Effects on Passive Components in CCD Focal-Plane Electronics: Flight Feedback from an Earth Observation Optical Imaging Payload	Algerian Space Agency, DZ
Hybrid Reliability Modeling of Capacitors in the Alsat-1B High-Speed Data Recorder	Algerian Space Agency, DZ
Quartz-S: ESA Qualification of SMT Electromechanical Relay	Radiall, FR
Assessing Second-Life Supercapacitors in Space Systems: Towards an LCA Framework	Politecnico di Milano, IT
Managing Dynamic Separation Constraints: Case Study on Ground-to-Launcher Interconnections for Latitude's Zéphyr Micro-Launch	Nicomatic, FR
Monte Carlo Simulation of Performance Degradation in Microwave Ferrite Isolators Under Combined Space Environmental Stresses	Bursa Technical University, TUR
Modelling TID-Induced Degradation in Dielectric Films for Space-Grade Capacitor Design	Bursa Technical University, TUR
Towards Green and Sustainable High-Energy Density Supercapacitors	EPCI, CZ