

SPACE PASSIVE COMPONENT DAYS
SPCD

Wednesday 12th October 2016

Time		Topic	Title	Company
08:30	09:30	Registration Desk Opening		
09:30	09:50	Welcome Speech		
09:50	10:20	Introduction & Instructions Speech		
10:20	10:50	Technology Roadmaps	<i>“European roadmap for passive components”</i>	ESA/CNES/ DLR
10:50	11:10	Normative System & Standards	<i>“SMT approval verification procedure in compliance with new applicable ECSS-Q-ST-70-38 standard”</i>	ESA
11:10	11:40	Break		
11:40	12:00	New Developments	<i>“SAFECAP : Ionic Liquid Supercapacitor”</i>	Hutchinson
12:00	12:20		<i>“Silicon Capacitors - Development and Space Pre-Evaluation”</i>	Alter/Ipdia
12:20	12:40		<i>“Polymer Tantalum Capacitors for Advanced High Reliability Applications”</i>	AVX
12:40	13:00		<i>“Evaluation of a new ceramic dielectric for both low and high voltage applications”</i>	Exxelia Technologies
13:00	14:30	Lunch		
14:30	14:50	New Developments	<i>“Low-loss millimeter-wave self-biased circulators : materials, design and characterization“</i>	Lab-STICC/ UBO
14:50	15:10		<i>“Surface mountable compact Ka-band filter in multilayer micromachining technology“</i>	RF Microtech
15:10	15:30		<i>“Low VSWR high isolation Power divider Ka band“</i>	Cobham Microwave
15:30	15:50		<i>“Nanoprocessing and micromachining technologies of GaN/Si for sensors and filters operating at frequencies above 5 GHz“</i>	IMT Bucharest
15:50	16:20	Break		
16:20	16:40	New Developments	<i>Connector Press-Fit Technology for space-flight applications</i>	CNES
16:40	17:00		<i>Multi-modular power and RF miniature connectors</i>	Axon
17:00	19:00	Poster Session <i>Check the poster session programme</i>		
19:00	20:00	Welcome Drink		

Thursday 13th October 2016

Time		Topic	Title	Company
08:30	09:00	Session and Chair Introduction		
09:00	09:20	Technology Roadmaps	<i>“Basic approach of JAXA Parts Program related to Passive Parts”</i>	JAXA
09:20	09:40	Materials and Processes	<i>“Passive component embedding in printed circuit boards for space applications”</i>	IMEC
09:40	10:00		<i>“Highest capacitance at higher voltages: Pushing the limits of tantalum high voltage capacitors”</i>	H.C. Starck
10:00	10:20		<i>“Printed heaters for non-planar space applications”</i>	Fraunhofer IFAM
10:20	10:40		<i>“Minibend CTR - Phase Invariant Cable Assemblies”</i>	Huber & Suhner Astrolab
10:40	11:00		<i>“Recent Developments in Coaxial Interconnection Cable Materials to Minimize Temperature Induced Phase Errors”</i>	Times Microwave
11:00	11:20	Break		
11:20	11:40	Application, Trends & Needs	<i>“Improving overall RF system performance by using coaxial splitters, combiners and couplers with integral isolators”</i>	Airbus D&S
11:40	12:00		<i>“Improving Signal Integrity performance in high speed integrated circuit packages with application of coaxial wire-bonding technology”</i>	Rosenberger
12:00	12:20		<i>“Spring probe contact solutions for solderless interconnections (Interposers)”</i>	Smiths Connectors
12:20	12:40		<i>“Why and how to use tantalum capacitors in satellites secondary DC Bus?”</i>	Exxelia Supply
12:40	12:45	Technical Introduction of Manufacturers (TIMs)	<i>“European Passive Components Institute Introduction”</i>	EPCI
12:45	12:50		<i>“ACSIEL MIL-AEROSPACE Working Group”</i>	ACSIEL
12:50	12:55		<i>“Very High power TNC connectors”</i>	Radiall
12:55	13:00		<i>“New Thermostat 100 VDC ”</i>	Comepa Industries
13:00	13:05		<i>“Space Splice, What is it?”</i>	C&K
13:05	14:30	Lunch		
14:30	14:50	Technology Roadmaps	<i>“TAS Roadmap for Passive Components”</i>	TAS
14:50	15:10	Application, Trends & Needs	<i>“Capacitors for ultra-low power hybrid circuits”</i>	Medtronic
15:10	15:30		<i>“Evaluation and Qualification of Commercial Off-The-Shelf Supercapacitors for Space Applications”</i>	Airbus D&S
15:30	15:50		<i>“High data rate solutions with new cable and connector technologies”</i>	Axon
15:50	16:20	Break		
16:20	16:40	Application, Trends & Needs	<i>“Piezoelectric components for usual space and cryogenic environment”</i>	Cedrat Technologies
16:40	17:00		<i>“Assessment of the Rules on Heater De-Rating”</i>	OHB System
17:00	18:00	Interactive panel discussion on: <i>“Commercial vs. COTS+ vs. Qualified passive components for space applications”</i>		

19:30	00:00	Gala Dinner
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Friday 14th October 2016

Time	Topic	Title	Company	
08:30	09:00	Session and Chair Introduction		
09:00	09:20	Technology Roadmaps	<i>"ADS Roadmap for passive components"</i>	Airbus D&S
09:20	09:40	Test, Reliability & Evaluation for space	<i>"ESTEC's Materials and Electrical Components Laboratory capabilities on testing passive components"</i>	ESA
09:40	10:00		<i>"Feedback of 5 years of failure analysis on passive components from all electronic sectors"</i>	Serma Technologies
10:00	10:20		<i>"Effects of ambient atmosphere on reliability of solid tantalum capacitors"</i>	Kemet Electronics
10:20	10:40		<i>"Evaluation of 10V chip polymer tantalum capacitors for space applications"</i>	ASRC
10:40	11:00		<i>"Design, Manufacture and Test Techniques for Multipactor Free RF Devices"</i>	Sierra Microwave Technology
11:00	11:30	Break		
11:30	11:50	Evaluation & Qualification	<i>"Evaluation and qualification of ferrite isolators and circulators for space applications"</i>	Cobham Microwave
11:50	12:10		<i>"SMP-LOCK® The Ultimate Secure Connection"</i>	Radiall
12:10	12:30		<i>"Custom-designed circuit protection solutions for future space applications"</i>	Schurter
12:30	12:35	Technical Introduction of Manufacturers (TIMs)	<i>"Exxelia Group, 30 years expertise in the design and manufacture of passive components for Space"</i>	Exxelia
12:35	12:40		<i>"H.C. Starck, whenever it is about Ta, W, Nb, Mo and Re"</i>	H.C. Starck
12:40	12:45		<i>"High performance space OCXO"</i>	Rakon
12:45	12:50		<i>"Introduction to Gore Microwave Cable Assemblies"</i>	Gore
12:50	12:55		<i>"New Temperature sensors for space applications"</i>	Innovative Sensor Technology
12:55	13:00		<i>"Interconnect solutions for space applications"</i>	Nicomatic
13:00	14:30	Lunch		
14:30	14:50	Evaluation & Qualification	<i>"Miniaturization Of Metallized Polyester Film Capacitors"</i>	Exxelia Technologies
14:50	15:10		<i>"Tantalum SMD capacitors with manganese dioxide and conductive polymer counter electrode for space applications"</i>	Kemet
15:10	15:30		<i>"Ultra-High Reliability Space OCXO & 4-Point Mount 5x7mm SMT Hybrid Oscillator Space Qualified"</i>	Q-Tech Corporation
15:30	16:00	Closing Session & Award Ceremony		