

PERFORMANCE-CRITICAL RESISTORS FOR THE MOST DEMANDING SPACE/SATELLITE APPLICATIONS



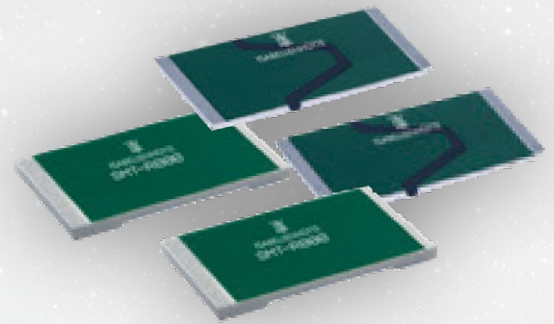
**Flight-Tested Expertise.
Precision Without Compromise.**



ISABELLENHÜTTE

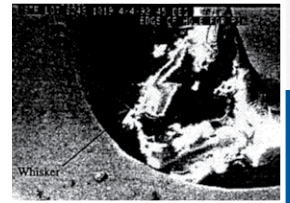
A legacy of excellence in space

- Hundreds of mission-proven components
- Big performance in small footprints
- Powerful metallurgical, engineering, and manufacturing experience for co-development or custom needs
- Full control of production from smelting alloys to final testing
- Proven supply-chain partnerships with critical screening of finished components supporting sensitive aerospace missions
- Uncompromising quality and technical leadership



Better metallurgical insights support demanding missions

Our engineers have a deep understanding of the unique issues faced by aerospace pioneers. For example, we have developed specialized alloys and resistors designed to prevent “tin whiskers”—an elusive point of failure for satellite components subjected to long missions.

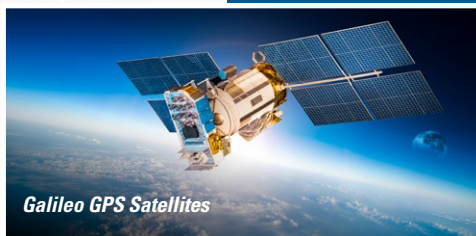


We know what it takes to succeed in aerospace and defense.

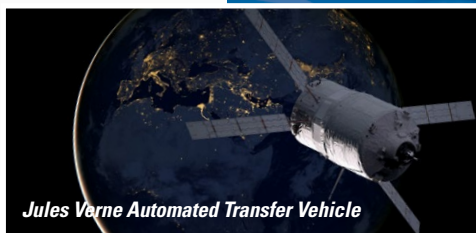
- DLA-approved for aerospace and defense contracts
- ESCC 4001/027 and ESCC 4001/028 qualified (over 200 qualified parts)
- Dedicated production and QA for aerospace
- 100% traceable documentation and labelling



JUICE - Jupiter Icy Moons Explorer



Galileo GPS Satellites



Jules Verne Automated Transfer Vehicle

Proven mission legacy... and even more to come.

Series	Size	Parts per reel	Resistance value [mΩ]										Rated power at 70°C	Specification
			0.01	0.1	1	10	100	1000	5000	100 000				
SMK - PW 	1206	12,500				8	500						1 W	ESCC-4001/027
SMP - PW 	2010	10,000				5	1000						3 W	ESCC-4001/027
SMS - PW 	2512	5,000				5	1000						5 W	ESCC-4001/027
SMT - PW 	2817	5,000				4	4700						5-7 W	ESCC-4001/027
VMI - M 	0805	15,000				10	100						0.65-1.1 W	DLA 25003
VMK - M 	1206	12,500				10	470						1.5 W	DLA 25004
VMP - M 	2010	12,500				5	1000						3 W	DLA 25005
VMS - M 	2512	9,000				5	1000						4 W	DLA 25006

Look for even more innovation and product development from our team in the future, including:

MIL-SPEC resistors

A new level of ohmic range for our ISA-WELD® resistors

High-resistance thick film technology

Enhanced performance for ISA-PLAN®

Flexible heaters, flow sensors, and antennas

New ISA-FLEX® product line

Call to inquire about soldering/qualification samples for qualified customers.



Easy to order

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Supplier Quality Assurance Requirements





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