



Aerospace leaders now “expect more” from Isabellenhütte’s innovators for uncompromising performance and total supply-chain confidence.

Challenge

Two big developments of recent years have aerospace OEMs looking closely at their resistor and power-management component suppliers: **1.** On-board power systems are more complex than ever and **2.** Supply-chain excellence (once a “given”) must now be carefully examined and confirmed.

Solution

Isabellenhütte has a globally earned reputation for both component performance and supply-chain confidence for precision and power resistors for clocked power electronics. In addition to low inductance and high load capacity, our products offer minimal temperature coefficients with low thermal EMF <50 ppm/K, even with values below 10 mOhm. For aerospace innovators who are looking to deliver ultra-long-term stability in their circuitry.

Application

Around the world, Isabellenhütte has met the highest performance standards for aerospace suppliers for more than 20 years, including:

- ESCC 4001/027 and ESCC 4001/028
- Calibration Laboratory Accredited
- DLA 25003/4/5/6 (MIL-PRF 32773)
- Gapless documentation/materials tracing

The overview shows Isabellenhütte’s wide range of space-certified options.

SMD	Series		Size	Resistance value [mΩ]								Rated power at 70°C [W]	Max. current [A]*
				0.01	0.1	1	10	100	1000	5000	100 000		
	SMP / ESCC4001		2010				5		1000			1	24
	SMS / ESCC4001		2512				3		1000			2	25
	SMT / ESCC4001		2817				4		2000			3	27
	SMV / ESCC4001		4723				3.3		1000			3	30
	VMI / 25003		0805				10		100			0.5	7
	VMK / 25004		1206				10		470			0.75	8.5
	VMP / 25005		2010				5		1000			1.5	17
	VMS / 25006		2512				5		1000			2	20
	BVR / ESCC-QPL2		4026		0.2		3					5	150

* based on most low-ohmic option; max. continuous current at $P_{70^{\circ}\text{C}}$