



Material Content Data Sheet



Halogen-Free

Sales Product Name ICE5QR1680BG

Issued

17. April 2021

MA# MA005425777

Package PG-DSO-12-21

Weight*

154.86 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.663	0.43	0.43	4279	4279
chip_2	inorganic material	silicon	7440-21-3	1.500	0.97	0.97	9683	9683
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		448	
	non noble metal	iron	7439-89-6	1.386	0.90		8952	
	non noble metal	copper	7440-50-8	56.286	36.35	37.30	363474	372986
wires	noble metal	palladium	7440-05-3	0.001			5	
	non noble metal	copper	7440-50-8	0.080	0.05	0.05	515	520
encapsulation	organic material	carbon black	1333-86-4	0.277	0.18		1789	
	plastics	epoxy resin	-	10.803	6.98		69760	
	inorganic material	silicondioxide	60676-86-0	81.251	52.46	59.62	524688	596237
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7379	7379
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2767	2767
glue	plastics	epoxy resin	-	0.143	0.09		922	
	noble metal	silver	7440-22-4	0.809	0.52	0.61	5227	6149
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com