



Material Content Data Sheet



Sales Product Name	ICE5QR0680BG			Issued		12. September 2019		
MA#	MA005337918							
Package	PG-DSO-12-21			Weight*		155.32 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	3.428	2.21	2.21	22073	22073
chip_2	inorganic material	silicon	7440-21-3	0.663	0.43	0.43	4267	4267
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		446	
	non noble metal	iron	7439-89-6	1.386	0.89		8925	
	non noble metal	copper	7440-50-8	56.286	36.24	37.18	362394	371877
wires	noble metal	palladium	7440-05-3	0.001	0.00		6	
	non noble metal	copper	7440-50-8	0.087	0.06	0.06	560	566
encapsulation	organic material	carbon black	1333-86-4	0.271	0.17		1747	
	plastics	epoxy resin	-	10.582	6.81		68132	
	inorganic material	silicondioxide	60676-86-0	79.591	51.24	58.22	512446	582325
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7357	7357
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2759	2759
glue	plastics	epoxy resin	-	0.204	0.13		1316	
	noble metal	silver	7440-22-4	1.159	0.75	0.88	7460	8776
*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.
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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 München
Internet	www.infineon.com