

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ICE5QR1070AZ	**Issued**	18. August 2021
MA#	MA005350251		
Package	PG-DIP-7-6	**Weight***	651.85 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	0.10	0.10	1017	1017
chip_2	inorganic material	silicon	7440-21-3	1.203	0.18	0.18	1846	1846
leadframe	inorganic material	phosphorus	7723-14-0	0.049	0.01		74	
	non noble metal	zinc	7440-66-6	0.194	0.03		298	
	non noble metal	iron	7439-89-6	3.884	0.60		5959	
	non noble metal	copper	7440-50-8	157.726	24.20	24.84	241966	248297
wires	noble metal	palladium	7440-05-3	0.001			2	
	non noble metal	copper	7440-50-8	0.111	0.02	0.02	170	172
encapsulation	organic material	carbon black	1333-86-4	1.436	0.22		2203	
	plastics	epoxy resin	-	46.441	7.12		71245	
	inorganic material	silicondioxide	60676-86-0	430.899	66.11	73.45	661037	734485
leadfinish	non noble metal	tin	7440-31-5	6.460	0.99	0.99	9910	9910
plating	noble metal	silver	7440-22-4	1.911	0.29	0.29	2931	2931
glue	plastics	epoxy resin	-	0.131	0.02		201	
	noble metal	silver	7440-22-4	0.744	0.11	0.13	1141	1342
*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.

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