

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMCQ120R053M2H	**Issued**	07. February 2025
MA#	MA005974956		
Package	PG-HDSOP-22-3	**Weight***	2152.71 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.037	0.002	0.111	17	1106
	noble metal	gold	7440-57-5	0.143	0.007		67	
	inorganic material	siliconcarbide	409-21-2	2.201	0.102		1022	
leadframe	inorganic material	phosphorus	7723-14-0	0.416	0.019	64.427	193	644266
	non noble metal	iron	7439-89-6	1.387	0.064		644	
	non noble metal	copper	7440-50-8	1385.112	64.343		643429	
wire	non noble metal	aluminium	7429-90-5	4.417	0.205	0.205	2052	2052
encapsulation	organic material	carbon black	1333-86-4	3.732	0.173	34.675	1734	346751
	miscellaneous	miscellaneous	-	41.055	1.907		19071	
	plastics	epoxy resin	-	52.252	2.427		24273	
	inorganic material	silicondioxide	60676-86-0	649.413	30.167		301673	
leadfinish	non noble metal	tin	7440-31-5	12.211	0.567	0.567	5673	5673
plating	inorganic material	phosphorus	7723-14-0	< 0.001	< 0.001	0.015	< 1	153
	non noble metal	nickel	7440-02-0	0.328	0.015		152	
*deviation	< 10%				Sum in total:	100.000		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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