

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMSQ120R012M2HH	**Issued**	04. March 2025
MA#	MA005873255		
Package	PG-HDSOP-16-221	**Weight***	1869.82 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	non noble metal	tin	7440-31-5	0.130	0.007	0.449	70	4493
	noble metal	gold	7440-57-5	0.505	0.027		270	
	inorganic material	siliconcarbide	409-21-2	7.766	0.415		4153	
chip_2	non noble metal	tin	7440-31-5	0.130	0.007	0.449	70	4493
	noble metal	gold	7440-57-5	0.505	0.027		270	
	inorganic material	siliconcarbide	409-21-2	7.766	0.415		4153	
leadframe	inorganic material	phosphorus	7723-14-0	0.325	0.017	57.898	174	578976
	non noble metal	iron	7439-89-6	1.083	0.058		579	
	non noble metal	copper	7440-50-8	1081.174	57.822		578223	
wire	non noble metal	aluminium	7429-90-5	31.643	1.692	1.692	16923	16923
encapsulation	inorganic material	zincoxide	1314-13-2	7.299	0.390	39.034	3903	390342
	inorganic material	magnesium aluminum hydroxide carbonate	11097-59-9	7.299	0.390		3903	
	miscellaneous	miscellaneous	-	29.195	1.561		15614	
	plastics	epoxy resin	-	109.480	5.855		58551	
	inorganic material	silicondioxide	60676-86-0	576.597	30.837		308370	
leadfinish	non noble metal	tin	7440-31-5	8.299	0.444	0.444	4439	4439
plating	inorganic material	phosphorus	7723-14-0	0.001	< 0.001	0.033	1	335
	non noble metal	nickel	7440-02-0	0.625	0.033		334	
*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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