

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMSQ120R181M2HH	**Issued**	11. February 2026
MA#	MA006079688		
Package	PG-HDSOP-16-221	**Weight***	1874.65 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	0.016	0.001	0.054	8	540
	noble metal	gold	7440-57-5	0.061	0.003		32	
	inorganic material	siliconcarbide	409-21-2	0.936	0.050		499	
chip_2	non noble metal	tin	7440-31-5	0.016	0.001	0.054	8	540
	noble metal	gold	7440-57-5	0.061	0.003		32	
	inorganic material	siliconcarbide	409-21-2	0.936	0.050		499	
leadframe	inorganic material	phosphorus	7723-14-0	0.325	0.017	57.748	173	577485
	non noble metal	iron	7439-89-6	1.083	0.058		577	
	non noble metal	copper	7440-50-8	1081.174	57.673		576734	
wire	non noble metal	aluminium	7429-90-5	2.167	0.116	0.116	1156	1156
encapsulation	organic material	carbon black	1333-86-4	3.895	0.208	41.552	2078	415518
	miscellaneous	miscellaneous	-	42.842	2.285		22853	
	plastics	epoxy resin	-	54.527	2.909		29086	
	inorganic material	silicondioxide	60676-86-0	677.687	36.150		361501	
leadfinish	non noble metal	tin	7440-31-5	8.299	0.443	0.443	4427	4427
plating	inorganic material	phosphorus	7723-14-0	0.001	< 0.001	0.033	1	334
	non noble metal	nickel	7440-02-0	0.625	0.033		333	
*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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