

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMSQ120R040M2HH	**Issued**	04. March 2025
MA#	MA005873262		
Package	PG-HDSOP-16-221	**Weight***	1858.39 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	0.046	0.002	0.160	25	1603
	noble metal	gold	7440-57-5	0.179	0.010		96	
	inorganic material	siliconcarbide	409-21-2	2.754	0.148		1482	
chip_2	non noble metal	tin	7440-31-5	0.046	0.002	0.160	25	1603
	noble metal	gold	7440-57-5	0.179	0.010		96	
	inorganic material	siliconcarbide	409-21-2	2.754	0.148		1482	
leadframe	inorganic material	phosphorus	7723-14-0	0.325	0.017	58.254	175	582538
	non noble metal	iron	7439-89-6	1.083	0.058		583	
	non noble metal	copper	7440-50-8	1081.174	58.178		581780	
wire	non noble metal	aluminium	7429-90-5	8.114	0.437	0.437	4366	4366
encapsulation	inorganic material	zincoxide	1314-13-2	7.528	0.405	40.509	4051	405087
	inorganic material	magnesium aluminum hydroxide carbonate	11097-59-9	7.528	0.405		4051	
	miscellaneous	miscellaneous	-	30.112	1.620		16203	
	plastics	epoxy resin	-	112.921	6.076		60763	
	inorganic material	silicondioxide	60676-86-0	594.719	32.002		320019	
leadfinish	non noble metal	tin	7440-31-5	8.299	0.447	0.447	4466	4466
plating	inorganic material	phosphorus	7723-14-0	0.001	< 0.001	0.034	1	337
	non noble metal	nickel	7440-02-0	0.625	0.034		336	
*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.
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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 Neubiberg
Internet	www.infineon.com