



Material Content Data Sheet



Halogen-Free

Sales Product Name	IP160R099CP	Issued	12. May 2021
MA#	MA001789508		
Package	PG-TO262-3-22	Weight*	1569.54 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	15.501	0.99	0.99	9876	9876
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		542	
	non noble metal	copper	7440-50-8	849.682	54.12	54.19	541356	542061
wire	non noble metal	aluminium	7429-90-5	3.209	0.20	0.20	2045	2045
encapsulation	organic material	carbon black	1333-86-4	2.281	0.15		1454	
	plastics	epoxy resin	-	66.162	4.22		42154	
	inorganic material	silicondioxide	60676-86-0	501.920	31.98	36.35	319786	363394
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9683	9683
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1052	1052
solder	non noble metal	antimony	7440-36-0	0.649	0.04		413	
	noble metal	silver	7440-22-4	1.621	0.10		1033	
	non noble metal	tin	7440-31-5	4.216	0.27	0.41	2686	4132
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.77	6.78	67669	67757
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com