



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA65R225C7	Issued	14. February 2022
MA#	MA005621394		
Package	PG-TO220-3-313	Weight*	2207.97 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	3.621	0.16	0.16	1640	1640
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.86	40.91	408588	409120
wire	non noble metal	aluminium	7429-90-5	3.593	0.16	0.16	1627	1627
encapsulation	organic material	carbon black	1333-86-4	2.306	0.10		1044	
	plastics	epoxy resin	-	214.695	9.72		97236	
	inorganic material	silicondioxide	60676-86-0	923.582	41.83	51.65	418294	516574
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3568	3568
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.226	0.01		102	
	noble metal	silver	7440-22-4	0.564	0.03		255	
	non noble metal	tin	7440-31-5	1.466	0.07	0.11	664	1021
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65614	65700
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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