



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA65R280C6	Issued	09. February 2022
MA#	MA005618362		
Package	PG-TO220-3-253	Weight*	2135.42 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	6.035	0.28	0.28	2826	2826
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.89	66.98	669082	669953
wire	non noble metal	aluminium	7429-90-5	3.699	0.17	0.17	1732	1732
encapsulation	organic material	carbon black	1333-86-4	3.343	0.16		1566	
	plastics	epoxy resin	-	130.381	6.11		61056	
	inorganic material	silicondioxide	60676-86-0	534.895	25.05	31.32	250487	313109
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10051	10051
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.321	0.02		150	
	noble metal	silver	7440-22-4	0.802	0.04		376	
	non noble metal	tin	7440-31-5	2.086	0.10	0.16	977	1503
*deviation	< 10%	Sum in total:				100.00		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.

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