

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA65R280C6	**Issued**	01. April 2021
MA#	MA001170878		
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.
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