



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA60R280CFD7	<b>Issued</b>	17. February 2022
<b>MA#</b>	MA005620303		
<b>Package</b>	PG-TO220-3-253	<b>Weight*</b>	2134.03 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	2.932	0.14	0.14	1374	1374
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	66.95	67.04	669517	670388
wire	non noble metal	aluminium	7429-90-5	2.172	0.10	0.10	1018	1018
encapsulation	organic material	carbon black	1333-86-4	3.366	0.16		1577	
	plastics	epoxy resin	-	131.260	6.15		61508	
	inorganic material	silicondioxide	60676-86-0	538.503	25.23	31.54	252341	315426
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10057	10057
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.194	0.01		91	
	noble metal	silver	7440-22-4	0.486	0.02		228	
	non noble metal	tin	7440-31-5	1.263	0.06	0.09	592	911
*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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