



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R170CFD7	Issued	17. February 2022
MA#	MA005620559		
Package	PG-TO220-3-253	Weight*	2134.87 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	4.363	0.20	0.20	2044	2044
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	66.92	67.01	669252	670123
wire	non noble metal	aluminium	7429-90-5	3.853	0.18	0.18	1805	1805
encapsulation	organic material	carbon black	1333-86-4	3.351	0.16		1570	
	plastics	epoxy resin	-	130.699	6.12		61221	
	inorganic material	silicondioxide	60676-86-0	536.200	25.12	31.40	251162	313953
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10053	10053
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.255	0.01		120	
	noble metal	silver	7440-22-4	0.638	0.03		299	
	non noble metal	tin	7440-31-5	1.659	0.08	0.12	777	1196
*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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