

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R299CP	**Issued**	17. February 2022
MA#	MA005620583		
Package	PG-TO220-3-253	**Weight***	2135.20 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	6.215	0.29	0.29	2911	2911
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	66.90	66.99	669151	670022
wire	non noble metal	aluminium	7429-90-5	2.211	0.10	0.10	1036	1036
encapsulation	organic material	carbon black	1333-86-4	3.348	0.16		1568	
	plastics	epoxy resin	-	130.579	6.12		61155	
	inorganic material	silicondioxide	60676-86-0	535.709	25.09	31.37	250894	313617
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10052	10052
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.328	0.02		154	
	noble metal	silver	7440-22-4	0.820	0.04		384	
	non noble metal	tin	7440-31-5	2.132	0.10	0.16	998	1536
*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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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.

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