



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R600P6	Issued	11. April 2021
MA#	MA005344605		
Package	PG-TO220-3-253	Weight*	2133.67 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	3.063	0.14	0.14	1435	1435
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		671	
	non noble metal	copper	7440-50-8	1,428.770	66.96	67.05	669628	670500
wire	non noble metal	aluminium	7429-90-5	0.832	0.04	0.04	390	390
encapsulation	organic material	carbon black	1333-86-4	3.370	0.16		1579	
	plastics	epoxy resin	-	131.416	6.16		61591	
	inorganic material	silicondioxide	60676-86-0	539.142	25.27	31.59	252683	315853
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10059	10059
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	827	827
solder	non noble metal	antimony	7440-36-0	0.200	0.01		94	
	noble metal	silver	7440-22-4	0.499	0.02		234	
	non noble metal	tin	7440-31-5	1.297	0.06	0.09	608	936
*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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