



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA90R340C3	Issued	15. April 2021
MA#	MA005337488		
Package	PG-TO220-3-313	Weight*	2205.59 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	13.276	0.60	0.60	6019	6019
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.90	40.95	409028	409561
wire	non noble metal	aluminium	7429-90-5	3.676	0.17	0.17	1667	1667
encapsulation	organic material	carbon black	1333-86-4	2.324	0.11		1054	
	plastics	epoxy resin	-	212.300	9.63		96255	
	inorganic material	silicondioxide	60676-86-0	910.413	41.26	51.00	412775	510084
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3571	3571
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.568	0.03		258	
	noble metal	silver	7440-22-4	1.420	0.06		644	
	non noble metal	tin	7440-31-5	3.693	0.17	0.26	1674	2576
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.57	6.58	65685	65771
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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