

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA65R420CFD	**Issued**	09. February 2022
MA#	MA005618972		
Package	PG-TO220-3-313	**Weight***	2207.19 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	4.901	0.22	0.22	2220	2220
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.87	40.92	408732	409264
wire	non noble metal	aluminium	7429-90-5	0.996	0.05	0.05	451	451
encapsulation	organic material	carbon black	1333-86-4	2.314	0.10		1048	
	plastics	epoxy resin	-	214.782	9.73		97310	
	inorganic material	silicondioxide	60676-86-0	923.510	41.85	51.68	418411	516769
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3569	3569
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.277	0.01		125	
	noble metal	silver	7440-22-4	0.692	0.03		314	
	non noble metal	tin	7440-31-5	1.799	0.08	0.12	815	1254
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	6.56	6.57	65637	65723
*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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