



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP65R420CFD	Issued	25. June 2021
MA#	MA005564014		
Package	PG-TO220-3-321	Weight*	1924.47 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	0.25	0.25	2546	2546
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		756	
	non noble metal	copper	7440-50-8	1,452.764	75.49	75.59	754890	755873
wire	non noble metal	aluminium	7429-90-5	3.264	0.17	0.17	1696	1696
encapsulation	organic material	carbon black	1333-86-4	2.257	0.12		1173	
	inorganic material	zinc borate	-	42.877	2.23		22280	
	plastics	epoxy resin	-	90.268	4.69		46905	
	inorganic material	silicondioxide	60676-86-0	315.938	16.42	23.46	164169	234527
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3919	3919
solder	non noble metal	antimony	7440-36-0	0.277	0.01		144	
	noble metal	silver	7440-22-4	0.692	0.04		360	
	non noble metal	tin	7440-31-5	1.799	0.09	0.14	935	1439
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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