

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP60R210CFD7	**Issued**	06. April 2021
MA#	MA002182516		
Package	PG-TO220-3-123	**Weight***	2026.73 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	3.709	0.18	0.18	1830	1830
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.23	40.28	402291	402815
wire	non noble metal	aluminium	7429-90-5	3.193	0.16	0.16	1575	1575
encapsulation	organic material	carbon black	1333-86-4	2.351	0.12		1160	
	plastics	epoxy resin	-	68.172	3.36		33637	
	inorganic material	silicondioxide	60676-86-0	517.166	25.52	29.00	255174	289971
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10590	10590
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.228	0.01		112	
	noble metal	silver	7440-22-4	0.570	0.03		281	
	non noble metal	tin	7440-31-5	1.481	0.07	0.11	731	1124
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.08	29.12	290847	291225
*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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