

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP50R250CP	**Issued**	16. May 2021
MA#	MA005403130		
Package	PG-TO220-3-123	**Weight***	2037.64 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	7.183	0.35	0.35	3525	3525
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.00	40.05	400136	400657
wire	non noble metal	aluminium	7429-90-5	3.276	0.16	0.16	1608	1608
encapsulation	organic material	carbon black	1333-86-4	2.968	0.15		1457	
	miscellaneous	miscellaneous	-	2.968	0.15		1457	
	organic material	phenol formaldehyde resin	9003-35-4	35.622	1.75		17482	
	inorganic material	silicondioxide	14808-60-7	47.496	2.33		23309	
	non noble metal	metal hydroxide	-	47.496	2.33		23309	
	plastics	epoxy resin	29690-82-2	71.244	3.50		34964	
	inorganic material	silicondioxide	60676-86-0	385.904	18.94	29.15	189388	291366
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10533	10533
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	866	866
solder	non noble metal	antimony	7440-36-0	0.362	0.02		178	
	noble metal	silver	7440-22-4	0.906	0.04		445	
	non noble metal	tin	7440-31-5	2.356	0.12	0.18	1156	1779
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.93	28.97	289289	289666
*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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