

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP60R060P7	**Issued**	08. April 2022
MA#	MA005623813		
Package	PG-TO220-3-123	**Weight***	2039.96 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	10.430	0.51	0.51	5113	5113
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		400	
	non noble metal	copper	7440-50-8	815.335	39.98	40.03	399682	400202
wire	non noble metal	aluminium	7429-90-5	6.382	0.31	0.31	3129	3129
encapsulation	organic material	carbon black	1333-86-4	2.942	0.14		1442	
	miscellaneous	miscellaneous	-	2.942	0.14		1442	
	organic material	phenol formaldehyde resin	9003-35-4	35.310	1.73		17309	
	inorganic material	silicondioxide	14808-60-7	47.080	2.31		23079	
	non noble metal	metal hydroxide	-	47.080	2.31		23079	
	plastics	epoxy resin	29690-82-2	70.620	3.46		34618	
	inorganic material	silicondioxide	60676-86-0	382.524	18.75	28.84	187515	288484
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10521	10521
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.479	0.02		235	
	noble metal	silver	7440-22-4	1.199	0.06		588	
	non noble metal	tin	7440-31-5	3.117	0.15	0.23	1528	2351
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.90	28.94	288959	289335
*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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