

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP60R125C6	**Issued**	08. April 2022
MA#	MA005623841		
Package	PG-TO220-3-123	**Weight***	2039.81 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	12.221	0.60	0.60	5991	5991
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	39.97	40.02	399712	400232
wire	non noble metal	aluminium	7429-90-5	3.308	0.16	0.16	1622	1622
encapsulation	organic material	carbon black	1333-86-4	2.945	0.14		1444	
	miscellaneous	miscellaneous	-	2.945	0.14		1444	
	organic material	phenol formaldehyde resin	9003-35-4	35.345	1.73		17327	
	inorganic material	silicondioxide	14808-60-7	47.126	2.31		23103	
	non noble metal	metal hydroxide	-	47.126	2.31		23103	
	plastics	epoxy resin	29690-82-2	70.689	3.47		34655	
	inorganic material	silicondioxide	60676-86-0	382.900	18.77	28.87	187714	288790
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10522	10522
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.535	0.03		262	
	noble metal	silver	7440-22-4	1.337	0.07		655	
	non noble metal	tin	7440-31-5	3.475	0.17	0.27	1704	2621
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	288981	289357
*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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