

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP60R125CP	**Issued**	08. April 2022
MA#	MA005623867		
Package	PG-TO220-3-123	**Weight***	2040.34 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	13.508	0.66	0.66	6620	6620
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	39.96	40.01	399608	400128
wire	non noble metal	aluminium	7429-90-5	3.309	0.16	0.16	1622	1622
encapsulation	organic material	carbon black	1333-86-4	2.940	0.14		1441	
	miscellaneous	miscellaneous	-	2.940	0.14		1441	
	organic material	phenol formaldehyde resin	9003-35-4	35.274	1.73		17289	
	inorganic material	silicondioxide	14808-60-7	47.033	2.31		23051	
	non noble metal	metal hydroxide	-	47.033	2.31		23051	
	plastics	epoxy resin	29690-82-2	70.549	3.46		34577	
	inorganic material	silicondioxide	60676-86-0	382.140	18.73	28.82	187292	288142
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10519	10519
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	864	864
solder	non noble metal	antimony	7440-36-0	0.576	0.03		282	
	noble metal	silver	7440-22-4	1.440	0.07		706	
	non noble metal	tin	7440-31-5	3.743	0.18	0.28	1835	2823
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	28.89	28.93	288906	289282
*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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