

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP90R340C3	**Issued**	15. May 2021
MA#	MA005342352		
Package	PG-TO220-3-123	**Weight***	2031.11 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	13.276	0.65	0.65	6536	6536
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.15	40.20	401424	401947
wire	non noble metal	aluminium	7429-90-5	3.341	0.16	0.16	1645	1645
encapsulation	organic material	carbon black	1333-86-4	2.316	0.11		1140	
	plastics	epoxy resin	-	67.159	3.31		33065	
	inorganic material	silicondioxide	60676-86-0	509.480	25.08	28.50	250838	285043
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10567	10567
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.568	0.03		280	
	noble metal	silver	7440-22-4	1.420	0.07		699	
	non noble metal	tin	7440-31-5	3.693	0.18	0.28	1818	2797
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	29.02	29.06	290219	290597
*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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