



Material Content Data Sheet



Sales Product Name		IPP60R099C7		Issued		25. January 2018		
MA#		MA002035314						
Package		PG-TO220-3-123		Weight*		2027.51 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	6.630	0.33	0.33	3270	3270
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.20	40.25	402135	402659
	non noble metal	aluminium	7429-90-5	2.558	0.13	0.13	1262	1262
wire	non noble metal	aluminium	7429-90-5	2.558	0.13	0.13	1262	1262
encapsulation	organic material	carbon black	1333-86-4	2.340	0.12		1154	
	plastics	epoxy resin	-	67.864	3.35		33471	
	inorganic material	silicondioxide	60676-86-0	514.829	25.39	28.86	253921	288546
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10586	10586
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.344	0.02		170	
	noble metal	silver	7440-22-4	0.859	0.04		424	
	non noble metal	tin	7440-31-5	2.234	0.11	0.17	1102	1696
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	29.07	29.11	290733	291111
*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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