



Material Content Data Sheet



Sales Product Name		IPP60R120C7		Issued		1. August 2018		
MA#		MA002107974						
Package		PG-TO220-3-123		Weight*		2026.98 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	5.464	0.27	0.27	2696	2696
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	40.22	40.27	402242	402766
	non noble metal	aluminium	7429-90-5	2.611	0.13	0.13	1288	1288
wire	non noble metal	aluminium	7429-90-5	2.611	0.13	0.13	1288	1288
encapsulation	organic material	carbon black	1333-86-4	2.344	0.12		1156	
	plastics	epoxy resin	-	67.981	3.35		33538	
	inorganic material	silicondioxide	60676-86-0	515.718	25.44	28.91	254428	289122
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10588	10588
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.300	0.01		148	
	noble metal	silver	7440-22-4	0.751	0.04		370	
	non noble metal	tin	7440-31-5	1.952	0.10	0.15	963	1481
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	29.08	29.12	290811	291189
*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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