



Material Content Data Sheet



Sales Product Name		IPP60R070CFD7		Issued		19. January 2018		
MA#		MA001721796						
Package		PG-TO220-3-1		Weight*		2034.28 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	9.850	0.48	0.48	4842	4842
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.07	40.12	400797	401318
	non noble metal	aluminium	7429-90-5	5.689	0.28	0.28	2797	2797
wire	non noble metal	aluminium	7429-90-5	5.689	0.28	0.28	2797	2797
encapsulation	organic material	carbon black	1333-86-4	5.858	0.29		2880	
	plastics	epoxy resin	-	111.305	5.47		54715	
	inorganic material	silicondioxide	60676-86-0	468.651	23.04	28.80	230378	287973
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10550	10550
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.459	0.02		225	
	noble metal	silver	7440-22-4	1.147	0.06		564	
	non noble metal	tin	7440-31-5	2.981	0.15	0.23	1466	2255
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.98	29.02	289767	290144
*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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