



Material Content Data Sheet



Sales Product Name				IPP60R060C7		Issued		24. January 2018	
MA#				MA001394018					
Package				PG-TO220-3-1		Weight*		2040.91 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	10.303	0.50	0.50	5048	5048	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		400		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	39.97	40.02	399495	400016	
wire	non noble metal	aluminium	7429-90-5	59.215	2.90	2.90	29014	29014	
encapsulation	organic material	carbon black	1333-86-4	5.380	0.26		2636		
	plastics	epoxy resin	-	102.228	5.01		50090		
	inorganic material	silicondioxide	60676-86-0	430.435	21.09	26.36	210903	263629	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.06	1.06	10648	10648	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120	
solder	non noble metal	antimony	7440-36-0	0.474	0.02		232		
	noble metal	silver	7440-22-4	1.186	0.06		581		
	non noble metal	tin	7440-31-5	3.083	0.15	0.23	1511	2324	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		289		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	28.88	28.92	288825	289201	
*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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