



Material Content Data Sheet



Sales Product Name				IPP60R330P6		Issued		20. July 2016	
MA#				MA001027118					
Package				PG-TO220-3-1		Weight*		2032.25 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	5.001	0.25	0.25	2461	2461	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.11	40.16	401198	401722	
wire	non noble metal	aluminium	7429-90-5	7.225	0.36	0.36	3555	3555	
encapsulation	organic material	carbon black	1333-86-4	5.889	0.29		2898		
	plastics	epoxy resin	-	111.889	5.51		55057		
	inorganic material	silicondioxide	60676-86-0	471.113	23.18	28.98	231818	289773	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10561	10561	
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	0.280	0.01		138		
	noble metal	silver	7440-22-4	0.699	0.03		344		
	non noble metal	tin	7440-31-5	1.818	0.09	0.13	894	1376	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290055	290432	
*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 2011/65/EU (RoHS) and does not use any exemption.

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