



Material Content Data Sheet



Sales Product Name				IPP60R280C6		Issued		19. July 2016	
MA#				MA000979082					
Package				PG-TO220-3-1		Weight*		2035.04 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	5.826	0.29	0.29	2863	2863	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	40.05	40.10	400648	401170	
wire	non noble metal	aluminium	7429-90-5	28.061	1.38	1.38	13789	13789	
encapsulation	organic material	carbon black	1333-86-4	5.697	0.28		2799		
	plastics	epoxy resin	-	108.243	5.32		53190		
	inorganic material	silicondioxide	60676-86-0	455.759	22.40	28.00	223956	279945	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10546	10546	
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	0.312	0.02		153		
	noble metal	silver	7440-22-4	0.779	0.04		383		
	non noble metal	tin	7440-31-5	2.025	0.10	0.16	995	1531	
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	28.97	29.01	289659	290036	
*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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