



Material Content Data Sheet



Sales Product Name				IPP65R280C6		Issued		19. July 2018	
MA#				MA001040244					
Package				PG-TO220-3-1		Weight*		2035.01 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	6.035	0.30	0.30	2966	2966	
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	40.06	40.11	400653	401175	
wire	non noble metal	aluminium	7429-90-5	26.921	1.32	1.32	13229	13229	
encapsulation	organic material	carbon black	1333-86-4	5.705	0.28		2803		
	plastics	epoxy resin	-	108.397	5.33		53266		
	inorganic material	silicondioxide	60676-86-0	456.409	22.43	28.04	224278	280347	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10547	10547	
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	0.321	0.02		158		
	noble metal	silver	7440-22-4	0.802	0.04		394		
	non noble metal	tin	7440-31-5	2.086	0.10	0.16	1025	1577	
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	289662	290039	
*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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