



Material Content Data Sheet



Sales Product Name				IPP65R225C7		Issued		25. September 2017	
MA#				MA001043900					
Package				PG-TO220-3-1		Weight*		2033.78 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	3.621	0.18	0.18	1780	1780	
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	40.08	40.13	400896	401418	
wire	non noble metal	aluminium	7429-90-5	26.169	1.29	1.29	12867	12867	
encapsulation	organic material	carbon black	1333-86-4	5.734	0.28		2819		
	plastics	epoxy resin	-	108.946	5.36		53568		
	inorganic material	silicondioxide	60676-86-0	458.721	22.56	28.20	225551	281938	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10553	10553	
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	0.226	0.01		111		
	noble metal	silver	7440-22-4	0.564	0.03		277		
	non noble metal	tin	7440-31-5	1.466	0.07	0.11	721	1109	
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	28.98	29.02	289838	290215	
*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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