



Material Content Data Sheet



Sales Product Name				IPP90R800C3		Issued		20. July 2018	
MA#				MA000995176					
Package				PG-TO220-3-123		Weight*		2027.35 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	6.653	0.33	0.33	3282	3282	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.20	40.25	402168	402692	
wire	non noble metal	aluminium	7429-90-5	1.337	0.07	0.07	659	659	
encapsulation	organic material	carbon black	1333-86-4	2.344	0.12		1156		
	plastics	epoxy resin	-	67.986	3.35		33534		
	inorganic material	silicondioxide	60676-86-0	515.757	25.44	28.91	254399	289089	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10586	10586	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870	
solder	non noble metal	antimony	7440-36-0	0.342	0.02		169		
	noble metal	silver	7440-22-4	0.855	0.04		422		
	non noble metal	tin	7440-31-5	2.222	0.11	0.17	1096	1687	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.08	29.12	290757	291135	
*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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