



Material Content Data Sheet



Sales Product Name				IPP50R350CP		Issued		27. September 2017	
MA#				MA000909236					
Package				PG-TO220-3-1		Weight*		2033.24 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	5.444	0.27	0.27	2677	2677	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	40.09	40.14	401003	401526	
wire	non noble metal	aluminium	7429-90-5	13.945	0.69	0.69	6859	6859	
encapsulation	organic material	carbon black	1333-86-4	5.825	0.29		2865		
	plastics	epoxy resin	-	110.682	5.44		54436		
	inorganic material	silicondioxide	60676-86-0	466.030	22.92	28.65	229206	286507	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10556	10556	
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	0.298	0.01		146		
	noble metal	silver	7440-22-4	0.744	0.04		366		
	non noble metal	tin	7440-31-5	1.934	0.10	0.15	951	1463	
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	28.99	29.03	289915	290292	
*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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