



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP50R350CP		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA000909236						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		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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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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