



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP50R380CE		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001013736						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2030.93 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	3.808	0.19	0.19	1875	1875
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.15	40.20	401458	401981
	non noble metal	aluminium	7429-90-5	0.713	0.04	0.04	351	351
wire	non noble metal	aluminium	7429-90-5	0.713	0.04	0.04	351	351
encapsulation	organic material	carbon black	1333-86-4	5.958	0.29		2933	
	plastics	epoxy resin	-	113.194	5.57		55735	
	inorganic material	silicondioxide	60676-86-0	476.605	23.47	29.33	234673	293341
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10568	10568
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.231	0.01		114	
	noble metal	silver	7440-22-4	0.579	0.03		285	
	non noble metal	tin	7440-31-5	1.504	0.07	0.11	741	1140
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290245	290623
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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