



Material Content Data Sheet



Sales Product Name				IPP60R180C7		Issued		21. March 2016	
MA#				MA001492878					
Package				PG-TO220-3-1		Weight*		2031.25 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	3.951	0.19	0.19	1945	1945	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401395	401919	
wire	non noble metal	aluminium	7429-90-5	2.792	0.14	0.14	1375	1375	
encapsulation	organic material	carbon black	1333-86-4	5.938	0.29		2923		
	plastics	epoxy resin	-	112.818	5.55		55542		
	inorganic material	silicondioxide	60676-86-0	475.025	23.39	29.23	233859	292324	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10566	10566	
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	0.238	0.01		117		
	noble metal	silver	7440-22-4	0.596	0.03		293		
	non noble metal	tin	7440-31-5	1.550	0.08	0.12	763	1173	
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	29.02	29.06	290200	290578	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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