



Material Content Data Sheet



Sales Product Name				IPP60R099C6		Issued		9. May 2016	
MA#				MA000975680					
Package				PG-TO220-3-1		Weight*		2039.13 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	15.501	0.76	0.76	7602	7602	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		400		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	39.97	40.02	399844	400365	
wire	non noble metal	aluminium	7429-90-5	26.837	1.32	1.32	13161	13161	
encapsulation	organic material	carbon black	1333-86-4	5.620	0.28		2756		
	plastics	epoxy resin	-	106.776	5.24		52364		
	inorganic material	silicondioxide	60676-86-0	449.585	22.05	27.57	220478	275598	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10525	10525	
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	0.648	0.03		318		
	noble metal	silver	7440-22-4	1.619	0.08		794		
	non noble metal	tin	7440-31-5	4.210	0.21	0.32	2065	3177	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		289		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	28.91	28.95	289076	289452	
*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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