



Material Content Data Sheet



Sales Product Name		IPP60R600P6		Issued		17. April 2015		
MA#		MA001356280						
Package		PG-TO220-3-1		Weight*		2030.82 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	3.063	0.15	0.15	1508	1508
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	40.15	40.20	401479	402003
wire	non noble metal	aluminium	7429-90-5	0.714	0.04	0.04	352	352
encapsulation	organic material	carbon black	1333-86-4	5.964	0.29		2937	
	plastics	epoxy resin	-	113.325	5.58		55802	
	inorganic material	silicondioxide	60676-86-0	477.158	23.50	29.37	234958	293697
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10700	10700
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	0.200	0.01		98	
	noble metal	silver	7440-22-4	0.499	0.02		246	
	non noble metal	tin	7440-31-5	1.297	0.06	0.09	639	983
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	29.03	29.07	290259	290637
*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 2011/65/EU (RoHS) and does not use any exemption.

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