



Material Content Data Sheet



Sales Product Name		IPP60R600P6		Issued		27. September 2017		
MA#		MA001356180						
Package		PG-TO220-3-123		Weight*		2025.82 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	1512	1512
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.25	40.30	402470	402994
wire	non noble metal	aluminium	7429-90-5	0.696	0.03	0.03	344	344
encapsulation	organic material	carbon black	1333-86-4	2.360	0.12		1165	
	plastics	epoxy resin	-	68.431	3.38		33779	
	inorganic material	silicondioxide	60676-86-0	519.132	25.63	29.13	256258	291202
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10727	10727
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	881	881
solder	non noble metal	antimony	7440-36-0	0.200	0.01		99	
	noble metal	silver	7440-22-4	0.499	0.02		246	
	non noble metal	tin	7440-31-5	1.297	0.06	0.09	640	985
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	29.10	29.14	290977	291355
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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