



Material Content Data Sheet



Sales Product Name				IPP60R280P6		Issued		22. January 2018	
MA#				MA001727810					
Package				PG-TO220-3-1		Weight*		2032.14 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	5.826	0.29	0.29	2867	2867	
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	40.12	40.17	401220	401743	
	non noble metal	aluminium	7429-90-5	2.897	0.14	0.14	1425	1425	
wire	non noble metal	aluminium	7429-90-5	2.897	0.14	0.14	1425	1425	
encapsulation	organic material	carbon black	1333-86-4	5.920	0.29		2913		
	plastics	epoxy resin	-	112.473	5.53		55347		
	inorganic material	silicondioxide	60676-86-0	473.571	23.30	29.12	233041	291301	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10561	10561	
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	0.312	0.02		153		
	noble metal	silver	7440-22-4	0.779	0.04		383		
	non noble metal	tin	7440-31-5	2.025	0.10	0.16	997	1533	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	iron	7439-89-6	0.590	0.03		290		
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290072	290449	
*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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