



## Material Content Data Sheet



<b>Sales Product Name</b>				IPW60R280P6		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001614462					
<b>Package</b>				PG-TO247-3-44		<b>Weight*</b>		6047.48 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	0.10	0.10	963	963	
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87486	87600	
wire	non noble metal	aluminium	7429-90-5	4.188	0.07	0.07	692	692	
encapsulation	organic material	carbon black	1333-86-4	20.012	0.33		3309		
	plastics	epoxy resin	-	380.223	6.29		62873		
	inorganic material	silicondioxide	60676-86-0	1600.938	26.47	33.09	264728	330910	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806	
solder	non noble metal	antimony	7440-36-0	0.312	0.01		52		
	noble metal	silver	7440-22-4	0.779	0.01		129		
	non noble metal	tin	7440-31-5	2.025	0.03	0.05	335	516	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568502	569242	
*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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