



Material Content Data Sheet



Sales Product Name				IPW60R280E6		Issued		1. November 2016	
MA#				MA000974298					
Package				PG-TO247-3-41		Weight*		6051.42 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	8.74	8.75	87429	87543	
wire	non noble metal	aluminium	7429-90-5	38.374	0.63	0.63	6341	6341	
encapsulation	organic material	carbon black	1333-86-4	19.709	0.33		3257		
	plastics	epoxy resin	-	374.476	6.19		61882		
	inorganic material	silicondioxide	60676-86-0	1576.740	26.06	32.58	260557	325696	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803	
solder	non noble metal	antimony	7440-36-0	0.312	0.01		51		
	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	515	
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	iron	7439-89-6	3.442	0.06		569		
	non noble metal	copper	7440-50-8	3438.006	56.80	56.88	568132	568872	
*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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