



Material Content Data Sheet



Sales Product Name		IPW50R250CP		Issued		20. July 2018		
MA#		MA001471676						
Package		PG-TO247-3-41		Weight*		6052.64 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	7.183	0.12	0.12	1187	1187
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	87411	87525
wire	non noble metal	aluminium	7429-90-5	43.570	0.72	0.72	7198	7198
encapsulation	organic material	carbon black	1333-86-4	19.651	0.32		3247	
	plastics	epoxy resin	-	373.366	6.17		61686	
	inorganic material	silicondioxide	60676-86-0	1572.068	25.97	32.46	259732	324665
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.362	0.01		60	
	noble metal	silver	7440-22-4	0.906	0.02		150	
	non noble metal	tin	7440-31-5	2.356	0.04	0.07	389	599
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	56.79	56.87	568018	568758
*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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