



Material Content Data Sheet



Sales Product Name		IPW65R150CFDA		Issued		29. August 2013		
MA#		MA001001676						
Package		PG-TO247-3-41		Weight*		6049.74 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	11.566	0.19	0.19	1912	1912
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	87453	87567
wire	non noble metal	aluminium	7429-90-5	1.457	0.02	0.02	241	241
encapsulation	organic material	carbon black	1333-86-4	19.983	0.33		3303	
	plastics	epoxy resin	-	379.686	6.28		62761	
	inorganic material	silicondioxide	60676-86-0	1598.679	26.43	33.04	264256	330320
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.519	0.01		86	
	noble metal	silver	7440-22-4	1.298	0.02		214	
	non noble metal	tin	7440-31-5	3.374	0.06	0.09	558	858
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	56.81	56.89	568289	569029
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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