



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD65R420CFDA		<b>Issued</b>		29. August 2013			
<b>MA#</b>		MA001016862							
<b>Package</b>		PG-TO252-3-313		<b>Weight*</b>		319.95 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	4.901	1.53	1.53	15317	15317	
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		460		
	inorganic material	phosphorus	7723-14-0	0.044	0.01		138		
	non noble metal	copper	7440-50-8	147.096	45.99	46.05	459754	460352	
wire	non noble metal	aluminium	7429-90-5	0.540	0.17	0.17	1688	1688	
encapsulation	organic material	carbon black	1333-86-4	1.389	0.43		4342		
	plastics	epoxy resin	-	24.312	7.60		75987		
	inorganic material	silicondioxide	60676-86-0	113.223	35.39	43.42	353884	434213	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11690	11690	
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11		
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4440	4451	
solder	noble metal	silver	7440-22-4	0.098	0.03		307		
	non noble metal	tin	7440-31-5	0.079	0.02		245		
	non noble metal	lead	7439-92-1	3.749	1.17	1.22	11719	12271	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		60		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	copper	7440-50-8	19.177	5.99	6.00	59940	60018	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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