



Material Content Data Sheet



Sales Product Name		IPD90P04P4-05		Issued		29. August 2013		
MA#		MA000760008						
Package		PG-TO252-3-313		Weight*		319.62 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	4.029	1.26	1.26	12604	12604
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		461	
	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	copper	7440-50-8	147.096	46.02	46.08	460228	460827
wire	non noble metal	aluminium	7429-90-5	4.349	1.36	1.36	13606	13606
encapsulation	organic material	carbon black	1333-86-4	1.364	0.43		4267	
	plastics	epoxy resin	-	23.868	7.47		74676	
	inorganic material	silicondioxide	60676-86-0	111.155	34.78	42.68	347776	426719
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11702	11702
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	4444	4455
solder	noble metal	silver	7440-22-4	0.080	0.02		250	
	non noble metal	tin	7440-31-5	0.064	0.02		200	
	non noble metal	lead	7439-92-1	3.055	0.96	1.00	9557	10007
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	6.00	6.01	60002	60080
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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