



Material Content Data Sheet



Sales Product Name		SPD50P03L G		Issued		28. August 2013			
MA#		MA000372017							
Package		PG-TO252-5-13		Weight*		429.42 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	2.993	0.70	0.70	6969	6969	
leadframe	non noble metal	iron	7439-89-6	0.293	0.07		682		
	inorganic material	phosphorus	7723-14-0	0.088	0.02		205		
	non noble metal	copper	7440-50-8	292.340	68.07	68.16	680785	681672	
wire	non noble metal	aluminium	7429-90-5	2.517	0.59	0.59	5862	5862	
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.723	0.40		4013		
	plastics	brominated resin	-	1.847	0.43		4300		
	organic material	carbon black	1333-86-4	1.970	0.46		4587		
	plastics	epoxy resin	-	16.619	3.87		38700		
	inorganic material	silicondioxide	60676-86-0	100.942	23.51	28.67	235070	286670	
leadfinish	non noble metal	tin	7440-31-5	5.440	1.27	1.27	12669	12669	
plating	non noble metal	nickel	7440-02-0	0.089	0.02		206		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	0	206	
solder	noble metal	silver	7440-22-4	0.064	0.01		149		
	non noble metal	tin	7440-31-5	0.051	0.01		119		
	non noble metal	lead	7439-92-1	2.441	0.57	0.59	5684	5952	
*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.

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