



Material Content Data Sheet



Sales Product Name		SPD03N50C3		Issued		29. August 2013			
MA#		MA001145362							
Package		PG-TO252-3-313		Weight*		318.20 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	2.304	0.72	0.72	7240	7240	
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		463		
	inorganic material	phosphorus	7723-14-0	0.044	0.01		139		
	non noble metal	copper	7440-50-8	147.096	46.22	46.28	462278	462880	
wire	non noble metal	aluminium	7429-90-5	0.528	0.17	0.17	1659	1659	
encapsulation	organic material	carbon black	1333-86-4	1.414	0.44		4443		
	plastics	epoxy resin	-	24.738	7.77		77745		
	inorganic material	silicondioxide	60676-86-0	115.209	36.21	44.42	362068	444256	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11754	11754	
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11		
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4464	4475	
solder	noble metal	silver	7440-22-4	0.059	0.02		185		
	non noble metal	tin	7440-31-5	0.047	0.01		148		
	non noble metal	lead	7439-92-1	2.245	0.71	0.74	7056	7389	
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	6.03	6.04	60269	60347	
*deviation	< 10%					Sum in total:	100.00		1000000

Important Remarks:

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