



Material Content Data Sheet



Sales Product Name		SPW15N60C3		Issued		28. August 2013		
MA#		MA001056038						
Package		PG-TO247-3-44		Weight*		6048.66 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	8.568	0.14	0.14	1417	1417
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	87469	87583
wire	non noble metal	aluminium	7429-90-5	4.140	0.07	0.07	684	684
encapsulation	organic material	carbon black	1333-86-4	19.987	0.33		3304	
	plastics	epoxy resin	-	379.758	6.28		62784	
	inorganic material	silicondioxide	60676-86-0	1598.982	26.44	33.05	264353	330441
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.405	0.01		67	
	noble metal	silver	7440-22-4	1.012	0.02		167	
	non noble metal	tin	7440-31-5	2.630	0.04	0.07	435	669
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	56.82	56.90	568391	569131
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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