



Material Content Data Sheet



Sales Product Name		SPW11N60S5		Issued		28. August 2013		
MA#		MA000363933						
Package		PG-TO247-3-41		Weight*		6047.48 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	6.625	0.11	0.11	1095	1095
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	87486	87600
wire	non noble metal	aluminium	7429-90-5	1.186	0.02	0.02	196	196
encapsulation	organic material	carbon black	1333-86-4	20.031	0.33		3312	
	plastics	epoxy resin	-	380.590	6.29		62934	
	inorganic material	silicondioxide	60676-86-0	1602.482	26.50	33.12	264984	331230
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.339	0.01		56	
	noble metal	silver	7440-22-4	0.847	0.01		140	
	non noble metal	tin	7440-31-5	2.203	0.04	0.06	364	560
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568502	569242
*deviation	< 10%		Sum in total:			100,00		1000000

Important Remarks:

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