



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW47N60CFD		<b>Issued</b>		5. December 2014		
<b>MA#</b>		MA001213020						
<b>Package</b>		PG-TO247-3-21		<b>Weight*</b>		6008.80 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	35.052	0.58	0.58	5833	5833
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	8.80	8.81	88049	88163
wire	non noble metal	aluminium	7429-90-5	8.814	0.15	0.15	1467	1467
encapsulation	organic material	carbon black	1333-86-4	21.113	0.35		3514	
	inorganic material	antimonytrioxide	1309-64-4	44.146	0.73		7347	
	plastics	brominated resin	-	49.904	0.83		8305	
	plastics	epoxy resin	-	364.686	6.07		60692	
	inorganic material	silicondioxide	60676-86-0	1439.550	23.96	31.94	239574	319432
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5305	5305
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4837	4837
solder	non noble metal	antimony	7440-36-0	1.236	0.02		206	
	noble metal	silver	7440-22-4	3.090	0.05		514	
	non noble metal	tin	7440-31-5	8.034	0.13	0.20	1337	2057
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		573	
	non noble metal	copper	7440-50-8	3438.006	57.23	57.31	572161	572906
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

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