



## Material Content Data Sheet



<b>Sales Product Name</b>				SPW24N60CFD		<b>Issued</b>		5. December 2014	
<b>MA#</b>				MA001214276					
<b>Package</b>				PG-TO247-3-21		<b>Weight*</b>		5999.85 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	15.501	0.26	0.26	2584	2584	
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	8.82	8.83	88180	88294	
wire	non noble metal	aluminium	7429-90-5	4.302	0.07	0.07	717	717	
encapsulation	organic material	carbon black	1333-86-4	21.344	0.36		3557		
	inorganic material	antimonytrioxide	1309-64-4	44.629	0.74		7438		
	plastics	brominated resin	-	50.450	0.84		8409		
	plastics	epoxy resin	-	368.674	6.14		61447		
	inorganic material	silicondioxide	60676-86-0	1455.293	24.26	32.34	242555	323406	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5313	5313	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4844	4844	
solder	non noble metal	antimony	7440-36-0	0.648	0.01		108		
	noble metal	silver	7440-22-4	1.619	0.03		270		
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	702	1080	
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172		
	non noble metal	iron	7439-89-6	3.442	0.06		574		
	non noble metal	copper	7440-50-8	3438.006	57.30	57.38	573016	573762	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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