



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW20N60CFD		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000925630						
<b>Package</b>		PG-TO247-3-21		<b>Weight*</b>		6004.41 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	13.322	0.22	0.22	2219	2219
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	8.81	8.82	88113	88227
wire	non noble metal	aluminium	7429-90-5	44.696	0.74	0.74	7444	7444
encapsulation	organic material	carbon black	1333-86-4	20.983	0.35		3495	
	inorganic material	antimonytrioxide	1309-64-4	43.873	0.73		7307	
	plastics	brominated resin	-	49.595	0.83		8260	
	plastics	epoxy resin	-	362.428	6.04		60360	
	inorganic material	silicondioxide	60676-86-0	1430.637	23.83	31.78	238265	317687
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5308	5308
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4841	4841
solder	non noble metal	antimony	7440-36-0	0.570	0.01		95	
	noble metal	silver	7440-22-4	1.424	0.02		237	
	non noble metal	tin	7440-31-5	3.703	0.06	0.09	617	949
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	57.26	57.34	572580	573325
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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