



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW15N60CFD		<b>Issued</b>		23. May 2016		
<b>MA#</b>		MA000265368						
<b>Package</b>		PG-TO247-3-21		<b>Weight*</b>		6001.88 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	9.195	0.15	0.15	1532	1532
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	88150	88264
wire	non noble metal	aluminium	7429-90-5	39.892	0.66	0.66	6647	6647
encapsulation	organic material	carbon black	1333-86-4	21.068	0.35		3510	
	inorganic material	antimonytrioxide	1309-64-4	44.052	0.73		7340	
	plastics	brominated resin	-	49.798	0.83		8297	
	plastics	epoxy resin	-	363.907	6.06		60632	
	inorganic material	silicondioxide	60676-86-0	1436.474	23.93	31.90	239337	319116
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5311	5311
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4843	4843
solder	non noble metal	antimony	7440-36-0	0.432	0.01		72	
	noble metal	silver	7440-22-4	1.080	0.02		180	
	non noble metal	tin	7440-31-5	2.807	0.05	0.08	468	720
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	57.29	57.37	572821	573567
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com