



Material Content Data Sheet



Sales Product Name		SPW24N60CFD		Issued		5. December 2014		
MA#		MA001214276						
Package		PG-TO247-3-21		Weight*		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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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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