



Material Content Data Sheet



Sales Product Name		SPW35N60CFD		Issued		17. December 2015		
MA#		MA000065749						
Package		PG-TO247-3-21		Weight*		6009.74 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	23.680	0.39	0.39	3940	3940
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	88035	88149
wire	non noble metal	aluminium	7429-90-5	45.319	0.75	0.75	7541	7541
encapsulation	organic material	carbon black	1333-86-4	20.877	0.35		3474	
	inorganic material	antimonytrioxide	1309-64-4	43.652	0.73		7263	
	plastics	brominated resin	-	49.345	0.82		8211	
	plastics	epoxy resin	-	360.600	6.00		60003	
	inorganic material	silicondioxide	60676-86-0	1423.423	23.69	31.59	236853	315804
leadfinish	non noble metal	tin	7440-31-5	32.273	0.54	0.54	5370	5370
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4897	4897
solder	non noble metal	antimony	7440-36-0	0.891	0.01		148	
	noble metal	silver	7440-22-4	2.226	0.04		370	
	non noble metal	tin	7440-31-5	5.788	0.10	0.15	963	1481
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	57.20	57.28	572073	572818
*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.

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