



Material Content Data Sheet



Sales Product Name		SPW24N60CFD		Issued		17. December 2015		
MA#		MA000272072						
Package		PG-TO247-3-21		Weight*		6005.96 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	2581	2581
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	88090	88204
wire	non noble metal	aluminium	7429-90-5	43.019	0.72	0.72	7163	7163
encapsulation	organic material	carbon black	1333-86-4	20.977	0.35		3493	
	inorganic material	antimonytrioxide	1309-64-4	43.862	0.73		7303	
	plastics	brominated resin	-	49.583	0.83		8256	
	plastics	epoxy resin	-	362.335	6.03		60329	
	inorganic material	silicondioxide	60676-86-0	1430.269	23.81	31.75	238141	317522
leadfinish	non noble metal	tin	7440-31-5	32.273	0.54	0.54	5373	5373
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4900	4900
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	701	1079
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	57.23	57.31	572433	573178
*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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