



Material Content Data Sheet



Sales Product Name		SPW47N60CFD		Issued		28. August 2013		
MA#		MA000770642						
Package		PG-TO247-3-21		Weight*		6008.32 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	35.052	0.58	0.58	5834	5834
leadframe	non noble metal	iron	7439-89-6	3.972	0.07		661	
	inorganic material	phosphorus	7723-14-0	1.192	0.02		198	
	non noble metal	copper	7440-50-8	3967.074	66.04	66.13	660263	661122
wire	non noble metal	aluminium	7429-90-5	8.814	0.15	0.15	1467	1467
encapsulation	organic material	carbon black	1333-86-4	21.108	0.35		3513	
	inorganic material	antimonytrioxide	1309-64-4	44.135	0.73		7346	
	plastics	brominated resin	-	49.892	0.83		8304	
	plastics	epoxy resin	-	364.594	6.07		60682	
	inorganic material	silicondioxide	60676-86-0	1439.188	23.95	31.93	239533	319378
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5305	5305
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4837	4837
solder	non noble metal	antimony	7440-36-0	1.236	0.02		206	
	noble metal	silver	7440-22-4	3.091	0.05		514	
	non noble metal	tin	7440-31-5	8.036	0.13	0.20	1337	2057
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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