



Material Content Data Sheet



Sales Product Name		SPW20N60C3		Issued		27. September 2017		
MA#		MA001097634						
Package		PG-TO247-3-41		Weight*		6050.34 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	12.312	0.20	0.20	2035	2035
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87444	87558
	non noble metal	aluminium	7429-90-5	4.352	0.07	0.07	719	719
wire	non noble metal	aluminium	7429-90-5	4.352	0.07	0.07	719	719
encapsulation	organic material	carbon black	1333-86-4	19.951	0.33		3298	
	plastics	epoxy resin	-	379.074	6.27		62653	
	inorganic material	silicondioxide	60676-86-0	1596.103	26.38	32.98	263804	329755
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.537	0.01		89	
	noble metal	silver	7440-22-4	1.342	0.02		222	
	non noble metal	tin	7440-31-5	3.489	0.06	0.09	577	888
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568233	568973
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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