



Material Content Data Sheet



Sales Product Name		SPW47N60C3		Issued		19. July 2018			
MA#		MA000922248							
Package		PG-TO247-3-41		Weight*		6058.07 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	30.768	0.51	0.51	5079	5079	
leadframe	non noble metal	iron	7439-89-6	3.972	0.07		656		
	inorganic material	phosphorus	7723-14-0	1.192	0.02		197		
	non noble metal	copper	7440-50-8	3967.074	65.46	65.55	654842	655695	
wire	non noble metal	aluminium	7429-90-5	9.956	0.16	0.16	1643	1643	
encapsulation	organic material	carbon black	1333-86-4	19.731	0.33		3257		
	plastics	epoxy resin	-	374.880	6.19		61881		
	inorganic material	silicondioxide	60676-86-0	1578.442	26.06	32.58	260552	325690	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5261	5261	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4798	4798	
solder	non noble metal	antimony	7440-36-0	1.111	0.02		183		
	noble metal	silver	7440-22-4	2.778	0.05		459		
	non noble metal	tin	7440-31-5	7.223	0.12	0.19	1192	1834	
*deviation	< 10%					Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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