



Material Content Data Sheet



Sales Product Name		SPW20N60S5		Issued		25. September 2017			
MA#		MA000950064							
Package		PG-TO247-3-44		Weight*		6027.14 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	12.785	0.21	0.21	2121	2121	
leadframe	non noble metal	iron	7439-89-6	3.972	0.07		659		
	inorganic material	phosphorus	7723-14-0	1.192	0.02		198		
	non noble metal	copper	7440-50-8	3967.074	65.82	65.91	658202	659059	
wire	non noble metal	aluminium	7429-90-5	2.833	0.05	0.05	470	470	
encapsulation	organic material	carbon black	1333-86-4	20.019	0.33		3321		
	plastics	epoxy resin	-	380.359	6.31		63108		
	inorganic material	silicondioxide	60676-86-0	1601.513	26.57	33.21	265717	332146	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5288	5288	
solder	non noble metal	antimony	7440-36-0	0.552	0.01		92		
	noble metal	silver	7440-22-4	1.380	0.02		229		
	non noble metal	tin	7440-31-5	3.588	0.06	0.09	595	916	
*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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