



Material Content Data Sheet



Sales Product Name		SPW55N80C3		Issued		19. July 2018		
MA#		MA000920040						
Package		PG-TO247-3-41		Weight*		6062.37 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	39.403	0.65	0.65	6500	6500
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87271	87384
wire	non noble metal	aluminium	7429-90-5	13.072	0.22	0.22	2156	2156
encapsulation	organic material	carbon black	1333-86-4	19.630	0.32		3238	
	plastics	epoxy resin	-	372.979	6.15		61524	
	inorganic material	silicondioxide	60676-86-0	1570.437	25.90	32.37	259047	323809
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5258	5258
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4794	4794
solder	non noble metal	antimony	7440-36-0	1.367	0.02		225	
	noble metal	silver	7440-22-4	3.417	0.06		564	
	non noble metal	tin	7440-31-5	8.885	0.15	0.23	1466	2255
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.70	56.78	567106	567844
*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.
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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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