



Material Content Data Sheet



Sales Product Name		SPD04N60S5		Issued		1. August 2018		
MA#		MA000354107						
Package		PG-TO252-3-311		Weight*		314.66 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	3.191	1.01	1.01	10141	10141
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		137	
	non noble metal	iron	7439-89-6	0.143	0.05		455	
	non noble metal	copper	7440-50-8	143.098	45.47	45.53	454767	455359
	non noble metal	aluminium	7429-90-5	0.522	0.17	0.17	1659	1659
wire	inorganic material	antimonytrioxide	1309-64-4	1.984	0.63		6305	
encapsulation	plastics	brominated resin	-	2.125	0.68		6755	
	organic material	carbon black	1333-86-4	2.267	0.72		7205	
	plastics	epoxy resin	-	19.129	6.08		60794	
	inorganic material	silicondioxide	60676-86-0	116.193	36.93	45.04	369265	450324
leadfinish	non noble metal	tin	7440-31-5	3.740	1.19	1.19	11886	11886
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.086	0.03	0.03	275	276
solder	non noble metal	tin	7440-31-5	0.059	0.02		187	
	noble metal	silver	7440-22-4	0.073	0.02		233	
	non noble metal	lead	7439-92-1	2.804	0.89	0.93	8910	9330
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	iron	7439-89-6	0.019	0.01		61	
	non noble metal	copper	7440-50-8	19.177	6.09	6.10	60946	61025
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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