



Material Content Data Sheet



Sales Product Name		IPD90N04S4-05		Issued		31. July 2018		
MA#		MA001044366						
Package		PG-TO252-3-313		Weight*		317.81 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	1.567	0.49	0.49	4932	4932
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	iron	7439-89-6	0.147	0.05		463	
	non noble metal	copper	7440-50-8	147.096	46.29	46.35	462838	463440
	non noble metal	aluminium	7429-90-5	3.317	1.04	1.04	10435	10435
wire	non noble metal	aluminium	7429-90-5	3.317	1.04	1.04	10435	10435
encapsulation	organic material	carbon black	1333-86-4	1.396	0.44		4393	
	plastics	epoxy resin	-	24.432	7.69		76877	
	inorganic material	silicondioxide	60676-86-0	113.785	35.80	43.93	358025	439295
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11768	11768
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4470	4481
solder	non noble metal	tin	7440-31-5	0.033	0.01		105	
	noble metal	silver	7440-22-4	0.042	0.01		131	
	non noble metal	lead	7439-92-1	1.587	0.50	0.52	4993	5229
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	6.03	6.04	60342	60420
*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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