



Material Content Data Sheet



Sales Product Name				IPD60N10S4-12		Issued		19. January 2018	
MA#				MA001610624					
Package				PG-TO252-3-313		Weight*		318.53 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	2.465	0.77	0.77	7739	7739	
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		462		
	inorganic material	phosphorus	7723-14-0	0.044	0.01		139		
	non noble metal	copper	7440-50-8	147.096	46.18	46.24	461791	462392	
wire	non noble metal	aluminium	7429-90-5	4.002	1.26	1.26	12565	12565	
encapsulation	organic material	carbon black	1333-86-4	1.382	0.43		4337		
	plastics	epoxy resin	-	24.177	7.59		75900		
	inorganic material	silicondioxide	60676-86-0	112.595	35.35	43.37	353479	433716	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11741	11741	
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	4460	4471	
solder	noble metal	silver	7440-22-4	0.056	0.02		177		
	non noble metal	tin	7440-31-5	0.045	0.01		142		
	non noble metal	lead	7439-92-1	2.158	0.68	0.71	6774	7093	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		60		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	copper	7440-50-8	19.177	6.02	6.03	60205	60283	
*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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