



Material Content Data Sheet



Sales Product Name		IPD60N10S4-12		Issued		25. January 2018		
MA#		MA001620522						
Package		PG-TO252-3-313		Weight*		318.62 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	2.510	0.79	0.79	7879	7879
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	iron	7439-89-6	0.147	0.05		462	
wire	non noble metal	copper	7440-50-8	147.096	46.17	46.23	461668	462269
	non noble metal	aluminium	7429-90-5	4.288	1.35	1.35	13457	13457
encapsulation	organic material	carbon black	1333-86-4	1.379	0.43		4327	
	plastics	epoxy resin	-	24.125	7.57		75717	
leadfinish	inorganic material	silicondioxide	60676-86-0	112.353	35.26	43.26	352627	432671
	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11738	11738
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	4458	4469
solder	non noble metal	tin	7440-31-5	0.046	0.01		145	
	noble metal	silver	7440-22-4	0.058	0.02		181	
heatspreader	non noble metal	lead	7439-92-1	2.206	0.69	0.72	6924	7250
	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	6.02	6.03	60189	60267
*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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