



Material Content Data Sheet



Sales Product Name				IPD85P04P4-07		Issued		24. January 2018	
MA#				MA001662472					
Package				PG-TO252-3-313		Weight*		318.60 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	2.544	0.80	0.80	7986	7986	
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	461691	462292	
wire	non noble metal	aluminium	7429-90-5	4.214	1.32	1.32	13228	13228	
encapsulation	organic material	carbon black	1333-86-4	1.379	0.43		4328		
	plastics	epoxy resin	-	24.131	7.57		75740		
	inorganic material	silicondioxide	60676-86-0	112.382	35.27	43.27	352734	432802	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11739	11739	
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	4459	4470	
solder	noble metal	silver	7440-22-4	0.057	0.02		180		
	non noble metal	tin	7440-31-5	0.046	0.01		144		
	non noble metal	lead	7439-92-1	2.195	0.69	0.72	6889	7213	
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	60192	60270	
*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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