



Material Content Data Sheet



Sales Product Name		IPD65R1K4C6		Issued		20. July 2018			
MA#		MA001121560							
Package		PG-TO252-3-313		Weight*		318.42 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	1.898	0.60	0.60	5959	5959	
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		463		
	inorganic material	phosphorus	7723-14-0	0.044	0.01		139		
	non noble metal	copper	7440-50-8	147.096	46.19	46.25	461952	462554	
wire	non noble metal	aluminium	7429-90-5	5.128	1.61	1.61	16104	16104	
encapsulation	organic material	carbon black	1333-86-4	1.377	0.43		4323		
	plastics	epoxy resin	-	24.089	7.57		75651		
	inorganic material	silicondioxide	60676-86-0	112.186	35.23	43.23	352315	432289	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11745	11745	
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	4461	4472	
solder	noble metal	silver	7440-22-4	0.052	0.02		164		
	non noble metal	tin	7440-31-5	0.042	0.01		131		
	non noble metal	lead	7439-92-1	1.999	0.63	0.66	6278	6573	
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	60226	60304	
*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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