



Material Content Data Sheet



Sales Product Name		IPD65R1K4CFD		Issued		24. January 2018		
MA#		MA001168442						
Package		PG-TO252-3-313		Weight*		317.91 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	5969	5969
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	46.26	46.32	462692	463294
wire	non noble metal	aluminium	7429-90-5	0.516	0.16	0.16	1623	1623
encapsulation	organic material	carbon black	1333-86-4	1.418	0.45		4459	
	plastics	epoxy resin	-	24.807	7.80		78030	
	inorganic material	silicondioxide	60676-86-0	115.529	36.34	44.59	363396	445885
leadfinish	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11764	11764
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	4468	4479
solder	noble metal	silver	7440-22-4	0.052	0.02		165	
	non noble metal	tin	7440-31-5	0.042	0.01		132	
	non noble metal	lead	7439-92-1	1.999	0.63	0.66	6288	6585
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	6.03	6.04	60323	60401
*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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