



Material Content Data Sheet



Sales Product Name		IPD80R1K4CE		Issued		22. January 2018		
MA#		MA001622150						
Package		PG-TO252-3-341		Weight*		389.08 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	3.894	1.00	1.00	10007	10007
leadframe	inorganic material	phosphorus	7723-14-0	0.075	0.02		192	
	non noble metal	iron	7439-89-6	0.248	0.06		639	
	non noble metal	copper	7440-50-8	248.124	63.78	63.86	637727	638558
	non noble metal	aluminium	7429-90-5	0.415	0.11	0.11	1066	1066
wire	non noble metal	aluminium	7429-90-5	0.415	0.11	0.11	1066	1066
encapsulation	organic material	carbon black	1333-86-4	0.386	0.10		993	
	plastics	epoxy resin	-	11.714	3.01		30107	
	inorganic material	silicondioxide	60676-86-0	116.623	29.97	33.08	299743	330843
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9613	9613
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1308	1308
solder	non noble metal	tin	7440-31-5	0.067	0.02		172	
	noble metal	silver	7440-22-4	0.084	0.02		215	
	non noble metal	lead	7439-92-1	3.198	0.82	0.86	8218	8605
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com