



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD80R1K2P7		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001651796						
<b>Package</b>		PG-TO252-3-342		<b>Weight*</b>		333.57 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	1.552	0.47	0.47	4654	4654
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		144	
	non noble metal	iron	7439-89-6	0.160	0.05		481	
	non noble metal	copper	7440-50-8	160.096	48.00	48.06	479951	480576
	non noble metal	aluminium	7429-90-5	0.450	0.13	0.13	1348	1348
wire	non noble metal	aluminium	7429-90-5	0.450	0.13	0.13	1348	1348
encapsulation	organic material	carbon black	1333-86-4	1.168	0.35		3502	
	plastics	epoxy resin	-	16.356	4.90		49034	
	inorganic material	silicondioxide	60676-86-0	128.513	38.53	43.78	385269	437805
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11212	11212
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1569	1569
solder	non noble metal	tin	7440-31-5	0.035	0.01		105	
	noble metal	silver	7440-22-4	0.044	0.01		132	
	non noble metal	lead	7439-92-1	1.679	0.50	0.52	5032	5269
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		17	
	non noble metal	iron	7439-89-6	0.019	0.01		58	
	non noble metal	copper	7440-50-8	19.177	5.75	5.76	57492	57567
*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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