



Material Content Data Sheet



Sales Product Name				IPD90R1K2C3		Issued		25. September 2017	
MA#				MA001145740					
Package				PG-TO252-3-313		Weight*		319.87 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	4.798	1.50	1.50	15000	15000	
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		138		
	non noble metal	iron	7439-89-6	0.147	0.05		460		
	non noble metal	copper	7440-50-8	147.096	45.99	46.05	459860	460458	
	non noble metal	aluminium	7429-90-5	0.529	0.17	0.17	1655	1655	
wire	non noble metal	aluminium	7429-90-5	0.529	0.17	0.17	1655	1655	
encapsulation	organic material	carbon black	1333-86-4	1.390	0.43		4346		
	plastics	epoxy resin	-	24.330	7.61		76063		
	inorganic material	silicondioxide	60676-86-0	113.310	35.42	43.46	354236	434645	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11692	11692	
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11		
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4441	4452	
solder	non noble metal	tin	7440-31-5	0.077	0.02		241		
	noble metal	silver	7440-22-4	0.096	0.03		302		
	non noble metal	lead	7439-92-1	3.686	1.15	1.20	11523	12066	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	iron	7439-89-6	0.019	0.01		60		
	non noble metal	copper	7440-50-8	19.177	6.00	6.01	59954	60032	
*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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