



Material Content Data Sheet



Sales Product Name		IPD80R4K5P7		Issued		1. August 2018		
MA#		MA002116566						
Package		PG-TO252-3-313		Weight*		316.88 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	0.679	0.21	0.21	2142	2142
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	iron	7439-89-6	0.147	0.05		465	
wire	non noble metal	copper	7440-50-8	147.096	46.42	46.48	464208	464812
	non noble metal	aluminium	7429-90-5	0.080	0.03	0.03	253	253
encapsulation	organic material	carbon black	1333-86-4	1.433	0.45		4523	
	plastics	epoxy resin	-	25.081	7.92		79150	
leadfinish	inorganic material	silicondioxide	60676-86-0	116.804	36.86	45.23	368612	452285
	non noble metal	tin	7440-31-5	3.740	1.18	1.18	11803	11803
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	4483	4494
solder	non noble metal	tin	7440-31-5	0.023	0.01		72	
	noble metal	silver	7440-22-4	0.029	0.01		90	
heatspreader	non noble metal	lead	7439-92-1	1.093	0.34	0.36	3449	3611
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	iron	7439-89-6	0.019	0.01		61	
	non noble metal	copper	7440-50-8	19.177	6.05	6.06	60521	60600
*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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