



Material Content Data Sheet



Sales Product Name				IPD60R280P7		Issued		19. January 2018	
MA#				MA001671024					
Package				PG-TO252-3-313		Weight*		318.74 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	3.030	0.95	0.95	9506	9506	
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139		
	non noble metal	iron	7439-89-6	0.147	0.05		462		
wire	non noble metal	copper	7440-50-8	147.096	46.14	46.20	461494	462095	
	non noble metal	aluminium	7429-90-5	0.481	0.15	0.15	1508	1508	
encapsulation	organic material	carbon black	1333-86-4	1.407	0.44		4415		
	plastics	epoxy resin	-	24.626	7.73		77260		
leadfinish	inorganic material	silicondioxide	60676-86-0	114.686	35.98	44.15	359810	441485	
	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11734	11734	
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	4457	4468	
solder	non noble metal	tin	7440-31-5	0.057	0.02		179		
	noble metal	silver	7440-22-4	0.071	0.02		224		
heatspreader	non noble metal	lead	7439-92-1	2.727	0.86	0.90	8556	8959	
	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	6.02	6.03	60167	60245	
*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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