



Material Content Data Sheet



Sales Product Name		IPZ60R041P6		Issued		25. September 2017		
MA#		MA001476274						
Package		PG-TO247-4-1		Weight*		6186.46 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	35.395	0.57	0.57	5721	5721
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		467	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	copper	7440-50-8	2885.760	46.65	46.71	466465	467072
wire	non noble metal	aluminium	7429-90-5	96.559	1.56	1.56	15608	15608
encapsulation	organic material	carbon black	1333-86-4	19.030	0.31		3076	
	plastics	epoxy resin	-	361.569	5.84		58445	
	inorganic material	silicondioxide	60676-86-0	1522.394	24.61	30.76	246085	307606
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3732	3732
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	314	314
solder	non noble metal	antimony	7440-36-0	1.245	0.02		201	
	noble metal	silver	7440-22-4	3.114	0.05		503	
	non noble metal	tin	7440-31-5	8.095	0.13	0.20	1309	2013
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		59	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1222.919	19.77	19.80	197677	197934
*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 does not use any exemption

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