



Material Content Data Sheet



Sales Product Name				IPB60R190P6		Issued		25. September 2017	
MA#				MA001393618					
Package				PG-TO263-3-2		Weight*		1564.03 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	8.148	0.52	0.52	5209	5209	
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195		
	inorganic material	phosphorus	7723-14-0	0.091	0.01		58		
	non noble metal	copper	7440-50-8	304.026	19.44	19.47	194386	194639	
wire	non noble metal	aluminium	7429-90-5	25.526	1.63	1.63	16321	16321	
encapsulation	organic material	carbon black	1333-86-4	9.929	0.63		6349		
	plastics	epoxy resin	-	109.222	6.98		69834		
	inorganic material	silicondioxide	60676-86-0	542.800	34.71	42.32	347052	423235	
leadfinish	non noble metal	tin	7440-31-5	9.777	0.63	0.63	6251	6251	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		146		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	146	
solder	noble metal	silver	7440-22-4	0.140	0.01		90		
	non noble metal	tin	7440-31-5	0.112	0.01		72		
	non noble metal	lead	7439-92-1	5.348	0.34	0.36	3419	3581	
heatspreader	non noble metal	iron	7439-89-6	0.548	0.04		351		
	inorganic material	phosphorus	7723-14-0	0.165	0.01		105		
	non noble metal	copper	7440-50-8	547.666	35.01	35.06	350161	350618	
*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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