



Material Content Data Sheet



Sales Product Name				IPB50R140CP		Issued		25. September 2017	
MA#				MA000904482					
Package				PG-TO263-3-2		Weight*		1563.55 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	11.898	0.76	0.76	7609	7609	
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58		
	non noble metal	iron	7439-89-6	0.304	0.02		195		
	non noble metal	copper	7440-50-8	304.026	19.44	19.47	194446	194699	
	non noble metal	aluminium	7429-90-5	2.792	0.18	0.18	1786	1786	
wire	non noble metal	aluminium	7429-90-5	2.792	0.18	0.18	1786	1786	
encapsulation	organic material	carbon black	1333-86-4	10.181	0.65		6512		
	plastics	epoxy resin	-	111.993	7.16		71627		
	inorganic material	silicondioxide	60676-86-0	556.572	35.60	43.41	355966	434105	
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6176	6176	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147	
solder	non noble metal	tin	7440-31-5	0.149	0.01		95		
	noble metal	silver	7440-22-4	0.186	0.01		119		
	non noble metal	lead	7439-92-1	7.095	0.45	0.47	4538	4752	
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105		
	non noble metal	iron	7439-89-6	0.548	0.04		351		
	non noble metal	copper	7440-50-8	547.666	35.03	35.08	350270	350726	
*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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