



## Material Content Data Sheet



<b>Sales Product Name</b>		IPB50R140CP		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA000904482						
<b>Package</b>		PG-TO263-3-2		<b>Weight*</b>		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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