



Material Content Data Sheet



Sales Product Name		IPA50R140CP		Issued		2. August 2018		
MA#		MA001507240						
Package		PG-TO220-3-317		Weight*		2108.93 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	0.56	0.56	5642	5642
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		570	
	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	copper	7440-50-8	1200.685	56.95	57.03	569334	570075
wire	non noble metal	aluminium	7429-90-5	29.701	1.41	1.41	14084	14084
encapsulation	organic material	carbon black	1333-86-4	8.519	0.40		4040	
	plastics	epoxy resin	-	136.311	6.46		64635	
	inorganic material	silicondioxide	60676-86-0	707.113	33.53	40.39	335295	403970
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3741	3741
solder	non noble metal	antimony	7440-36-0	0.525	0.02		249	
	noble metal	silver	7440-22-4	1.312	0.06		622	
	non noble metal	tin	7440-31-5	3.410	0.16	0.24	1617	2488
*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.
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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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