



Material Content Data Sheet



Sales Product Name		IPW50R350CP		Issued		25. September 2017		
MA#		MA001476278						
Package		PG-TO247-3-41		Weight*		6049.87 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	5.444	0.09	0.09	900	900
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87451	87565
wire	non noble metal	aluminium	7429-90-5	26.407	0.44	0.44	4365	4365
encapsulation	organic material	carbon black	1333-86-4	19.819	0.33		3276	
	plastics	epoxy resin	-	376.554	6.22		62242	
	inorganic material	silicondioxide	60676-86-0	1585.490	26.21	32.76	262070	327588
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.298	0.00		49	
	noble metal	silver	7440-22-4	0.744	0.01		123	
	non noble metal	tin	7440-31-5	1.934	0.03	0.04	320	492
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568277	569017
*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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