



Material Content Data Sheet



Sales Product Name		IPW50R280CE		Issued		20. July 2018		
MA#		MA001304354						
Package		PG-TO247-3-41		Weight*		6047.02 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	4.825	0.08	0.08	798	798
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	87492	87606
wire	non noble metal	aluminium	7429-90-5	4.225	0.07	0.07	699	699
encapsulation	organic material	carbon black	1333-86-4	20.021	0.33		3311	
	plastics	epoxy resin	-	380.391	6.29		62906	
	inorganic material	silicondioxide	60676-86-0	1601.647	26.49	33.11	264865	331082
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.273	0.00		45	
	noble metal	silver	7440-22-4	0.683	0.01		113	
	non noble metal	tin	7440-31-5	1.776	0.03	0.04	294	452
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.85	56.93	568546	569286
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com