



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW50R280CE		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA000990962						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		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	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
wire	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87492	87606
	non noble metal	aluminium	7429-90-5	4.249	0.07	0.07	703	703
encapsulation	organic material	carbon black	1333-86-4	20.020	0.33		3311	
	plastics	epoxy resin	-	380.387	6.29		62905	
leadfinish	inorganic material	silicondioxide	60676-86-0	1601.631	26.49	33.11	264863	331079
	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	
heatspreader	non noble metal	tin	7440-31-5	1.776	0.03	0.04	294	452
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
*deviation	< 10%			3438.006	56.85	56.93	568545	569285
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 does not use any exemption

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