



Material Content Data Sheet



Sales Product Name		IPW50R199CP		Issued		27. September 2017		
MA#		MA000908624						
Package		PG-TO247-3-41		Weight*		6053.83 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	8.809	0.15	0.15	1455	1455
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	8.74	8.75	87394	87508
wire	non noble metal	aluminium	7429-90-5	41.043	0.68	0.68	6780	6780
encapsulation	organic material	carbon black	1333-86-4	19.658	0.32		3247	
	plastics	epoxy resin	-	373.510	6.17		61698	
	inorganic material	silicondioxide	60676-86-0	1572.672	25.98	32.47	259781	324726
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5331	5331
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4861	4861
solder	non noble metal	antimony	7440-36-0	0.420	0.01		69	
	noble metal	silver	7440-22-4	1.049	0.02		173	
	non noble metal	tin	7440-31-5	2.727	0.05	0.08	451	693
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	56.77	56.85	567906	568646
*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 does not use any exemption

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