



Material Content Data Sheet



Sales Product Name		IPW60R199CP		Issued		25. September 2017		
MA#		MA000374774						
Package		PG-TO247-3-41		Weight*		6053.61 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	87397	87511
wire	non noble metal	aluminium	7429-90-5	45.769	0.76	0.76	7561	7561
encapsulation	organic material	carbon black	1333-86-4	19.617	0.32		3240	
	plastics	epoxy resin	-	372.715	6.16		61569	
	inorganic material	silicondioxide	60676-86-0	1569.327	25.92	32.40	259238	324047
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
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	567927	568667
*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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