



Material Content Data Sheet



Sales Product Name		IPW60R045CP		Issued		20. July 2018		
MA#		MA001394614						
Package		PG-TO247-3-41		Weight*		6074.27 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	35.449	0.58	0.58	5836	5836
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.71	8.72	87100	87213
wire	non noble metal	aluminium	7429-90-5	130.239	2.14	2.14	21441	21441
encapsulation	organic material	carbon black	1333-86-4	18.629	0.31		3067	
	plastics	epoxy resin	-	353.957	5.83		58272	
	inorganic material	silicondioxide	60676-86-0	1490.344	24.54	30.68	245354	306693
leadfinish	non noble metal	tin	7440-31-5	31.874	0.52	0.52	5247	5247
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4785	4785
solder	non noble metal	antimony	7440-36-0	1.247	0.02		205	
	noble metal	silver	7440-22-4	3.117	0.05		513	
	non noble metal	tin	7440-31-5	8.105	0.13	0.20	1334	2052
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		567	
	non noble metal	copper	7440-50-8	3438.006	56.60	56.68	565996	566733
*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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