



Material Content Data Sheet



Sales Product Name		IPAW60R190CE		Issued		31. July 2018		
MA#		MA001703972						
Package		PG-TO220-3-315		Weight*		1839.55 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	8.148	0.44	0.44	4429	4429
leadframe	inorganic material	phosphorus	7723-14-0	0.190	0.01		103	
	non noble metal	iron	7439-89-6	0.632	0.03		343	
	non noble metal	copper	7440-50-8	630.863	34.29	34.33	342944	343390
	non noble metal	aluminium	7429-90-5	2.861	0.16	0.16	1555	1555
wire	non noble metal	aluminium	7429-90-5	2.861	0.16	0.16	1555	1555
encapsulation	organic material	carbon black	1333-86-4	15.230	0.83		8279	
	plastics	epoxy resin	-	228.735	12.43		124343	
	inorganic material	silicondioxide	60676-86-0	941.211	51.18	64.44	511653	644275
leadfinish	non noble metal	tin	7440-31-5	7.729	0.42	0.42	4202	4202
solder	non noble metal	antimony	7440-36-0	0.395	0.02		215	
	noble metal	silver	7440-22-4	0.989	0.05		537	
	non noble metal	tin	7440-31-5	2.570	0.14	0.21	1397	2149
*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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