



Material Content Data Sheet



Sales Product Name		IPAW60R190CE		Issued		19. July 2018		
MA#		MA001397454						
Package		PG-TO220-3-315		Weight*		1846.37 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	4413	4413
leadframe	non noble metal	iron	7439-89-6	0.632	0.03		342	
	inorganic material	phosphorus	7723-14-0	0.190	0.01		103	
	non noble metal	copper	7440-50-8	630.863	34.17	34.21	341677	342122
wire	non noble metal	aluminium	7429-90-5	28.608	1.55	1.55	15494	15494
encapsulation	organic material	carbon black	1333-86-4	11.662	0.63		6316	
	plastics	epoxy resin	-	221.569	12.00		120002	
	inorganic material	silicondioxide	60676-86-0	932.923	50.54	63.17	505273	631591
leadfinish	non noble metal	tin	7440-31-5	7.826	0.42	0.42	4239	4239
solder	non noble metal	antimony	7440-36-0	0.395	0.02		214	
	noble metal	silver	7440-22-4	0.989	0.05		535	
	non noble metal	tin	7440-31-5	2.570	0.14	0.21	1392	2141
*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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