

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPAW60R190CE	**Issued**	25. June 2021
MA#	MA005558527		
Package	PG-TO220-3-315	**Weight***	1838.89 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	4431	4431
leadframe	inorganic material	phosphorus	7723-14-0	0.190	0.01		103	
	non noble metal	iron	7439-89-6	0.632	0.03		344	
	non noble metal	copper	7440-50-8	630.863	34.31	34.35	343067	343514
wire	non noble metal	aluminium	7429-90-5	3.556	0.19	0.19	1934	1934
encapsulation	organic material	carbon black	1333-86-4	15.834	0.86		8610	
	plastics	epoxy resin	-	229.126	12.46		124600	
	inorganic material	silicondioxide	60676-86-0	938.862	51.07	64.39	510560	643770
leadfinish	non noble metal	tin	7440-31-5	7.729	0.42	0.42	4203	4203
solder	non noble metal	antimony	7440-36-0	0.395	0.02		215	
	noble metal	silver	7440-22-4	0.987	0.05		537	
	non noble metal	tin	7440-31-5	2.567	0.14	0.21	1396	2148
*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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