

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP60R190C6	**Issued**	11. March 2021
MA#	MA001062550		
Package	PG-TO220-3-123	**Weight***	2028.78 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	0.40	0.40	4016	4016
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.17	40.22	401885	402408
wire	non noble metal	aluminium	7429-90-5	3.075	0.15	0.15	1516	1516
encapsulation	organic material	carbon black	1333-86-4	2.335	0.12		1151	
	plastics	epoxy resin	-	67.715	3.34		33377	
	inorganic material	silicondioxide	60676-86-0	513.696	25.32	28.78	253205	287733
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10579	10579
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.395	0.02		195	
	noble metal	silver	7440-22-4	0.989	0.05		487	
	non noble metal	tin	7440-31-5	2.570	0.13	0.20	1267	1949
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.06	29.10	290552	290930
*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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