



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP60R190E6	<b>Issued</b>	18. August 2021
<b>MA#</b>	MA005341242		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2028.76 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	401887	402410
wire	non noble metal	aluminium	7429-90-5	3.044	0.15	0.15	1500	1500
encapsulation	organic material	carbon black	1333-86-4	2.335	0.12		1151	
	plastics	epoxy resin	-	67.717	3.34		33379	
	inorganic material	silicondioxide	60676-86-0	513.715	25.32	28.78	253216	287746
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	0.987	0.05		487	
	non noble metal	tin	7440-31-5	2.567	0.13	0.20	1265	1947
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	290555	290933
*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.
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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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