

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPB65R190CFD7A	**Issued**	16. May 2021
MA#	MA005399654		
Package	PG-TO263-3-2	**Weight***	1560.19 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	4.672	0.30	0.30	2994	2994
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	iron	7439-89-6	0.304	0.02		195	
	non noble metal	copper	7440-50-8	304.026	19.49	19.52	194865	195119
wire	non noble metal	aluminium	7429-90-5	4.057	0.26	0.26	2600	2600
encapsulation	inorganic material	zincoxide	1314-13-2	6.850	0.44		4390	
	miscellaneous	miscellaneous	-	27.398	1.76		17561	
	plastics	epoxy resin	-	102.743	6.59		65853	
	inorganic material	silicondioxide	60676-86-0	547.960	35.11	43.90	351212	439016
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6189	6189
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147
solder	non noble metal	tin	7440-31-5	0.077			49	
	noble metal	silver	7440-22-4	0.096	0.01		61	
	non noble metal	lead	7439-92-1	3.655	0.23	0.24	2343	2453
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		351	
	non noble metal	copper	7440-50-8	547.666	35.10	35.15	351026	351482
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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