

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPBE65R190CFD7A	**Issued**	16. May 2021
MA#	MA005399171		
Package	PG-TO263-7-11	**Weight***	1555.57 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	3003	3003
leadframe	inorganic material	phosphorus	7723-14-0	0.257	0.02		165	
	non noble metal	iron	7439-89-6	0.856	0.06		550	
	non noble metal	copper	7440-50-8	854.720	54.93	55.01	549457	550172
wire	non noble metal	aluminium	7429-90-5	3.818	0.25	0.25	2455	2455
encapsulation	inorganic material	zincoxide	1314-13-2	5.707	0.37		3669	
	miscellaneous	miscellaneous	-	22.830	1.47		14676	
	plastics	epoxy resin	-	85.611	5.50		55035	
	inorganic material	silicondioxide	60676-86-0	456.591	29.35	36.69	293519	366899
leadfinish	non noble metal	tin	7440-31-5	9.890	0.64	0.64	6358	6358
plating	inorganic material	phosphorus	7723-14-0	0.010			7	
	non noble metal	nickel	7440-02-0	4.272	0.27	0.27	2746	2753
solder	non noble metal	tin	7440-31-5	0.077			49	
	noble metal	silver	7440-22-4	0.096	0.01		62	
	non noble metal	lead	7439-92-1	3.655	0.24	0.25	2350	2461
heatspreader	inorganic material	phosphorus	7723-14-0	0.031			20	
	non noble metal	iron	7439-89-6	0.103	0.01		66	
	non noble metal	copper	7440-50-8	102.377	6.58	6.59	65813	65899
*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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