



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPU60R1K5CE	Issued	25. June 2021
MA#	MA005557168		
Package	PG-TO251-3-345	Weight*	384.97 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	1.624	0.42	0.42	4219	4219
leadframe	inorganic material	phosphorus	7723-14-0	0.070	0.02		182	
	non noble metal	iron	7439-89-6	0.233	0.06		606	
	non noble metal	copper	7440-50-8	233.116	60.57	60.65	605546	606334
wire	non noble metal	aluminium	7429-90-5	0.530	0.14	0.14	1378	1378
encapsulation	organic material	carbon black	1333-86-4	0.702	0.18		1824	
	plastics	epoxy resin	-	18.959	4.92		49247	
	inorganic material	silicondioxide	60676-86-0	120.773	31.37	36.47	313721	364792
leadfinish	non noble metal	tin	7440-31-5	7.055	1.83	1.83	18325	18325
solder	non noble metal	tin	7440-31-5	0.038	0.01		99	
	noble metal	silver	7440-22-4	0.048	0.01		124	
	non noble metal	lead	7439-92-1	1.820	0.47	0.49	4729	4952
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com