



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPU60R1K5CE	Issued	25. June 2021
MA#	MA005558746		
Package	PG-TO251-3-345	Weight*	384.81 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	1.513	0.39	0.39	3933	3933
leadframe	inorganic material	phosphorus	7723-14-0	0.070	0.02		182	
	non noble metal	iron	7439-89-6	0.233	0.06		607	
	non noble metal	copper	7440-50-8	233.116	60.59	60.67	605796	606585
wire	non noble metal	aluminium	7429-90-5	0.521	0.14	0.14	1354	1354
encapsulation	organic material	carbon black	1333-86-4	0.703	0.18		1826	
	plastics	epoxy resin	-	18.976	4.93		49314	
	inorganic material	silicondioxide	60676-86-0	120.887	31.41	36.52	314147	365287
leadfinish	non noble metal	tin	7440-31-5	7.055	1.83	1.83	18333	18333
solder	non noble metal	tin	7440-31-5	0.035	0.01		90	
	noble metal	silver	7440-22-4	0.043	0.01		113	
	non noble metal	lead	7439-92-1	1.657	0.43	0.45	4305	4508
*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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