

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPU60R1K0CE	**Issued**	25. June 2021
MA#	MA005557164		
Package	PG-TO251-3-345	**Weight***	385.35 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	2.144	0.56	0.56	5563	5563
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	60.50	60.58	604949	605737
wire	non noble metal	aluminium	7429-90-5	0.567	0.15	0.15	1470	1470
encapsulation	organic material	carbon black	1333-86-4	0.699	0.18		1815	
	plastics	epoxy resin	-	18.886	4.90		49010	
	inorganic material	silicondioxide	60676-86-0	120.311	31.22	36.30	312213	363038
leadfinish	non noble metal	tin	7440-31-5	7.055	1.83	1.83	18307	18307
solder	non noble metal	tin	7440-31-5	0.045	0.01		118	
	noble metal	silver	7440-22-4	0.057	0.01		147	
	non noble metal	lead	7439-92-1	2.166	0.56	0.58	5620	5885
*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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