



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPS70R1K4CE	Issued	25. June 2021
MA#	MA005558552		
Package	PG-TO251-3-343	Weight*	339.77 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	1.898	0.56	0.56	5585	5585
leadframe	inorganic material	phosphorus	7723-14-0	0.055	0.02		163	
	non noble metal	iron	7439-89-6	0.185	0.05		544	
	non noble metal	copper	7440-50-8	184.668	54.37	54.44	543513	544220
wire	non noble metal	aluminium	7429-90-5	0.515	0.15	0.15	1516	1516
encapsulation	organic material	carbon black	1333-86-4	0.728	0.21		2142	
	plastics	epoxy resin	-	19.651	5.78		57836	
	inorganic material	silicondioxide	60676-86-0	125.183	36.84	42.83	368438	428416
leadfinish	non noble metal	tin	7440-31-5	4.771	1.40	1.40	14041	14041
solder	non noble metal	tin	7440-31-5	0.042	0.01		124	
	noble metal	silver	7440-22-4	0.053	0.02		156	
	non noble metal	lead	7439-92-1	2.019	0.59	0.62	5942	6222
*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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