



Material Content Data Sheet



Halogen-Free

Sales Product Name IPSA70R1K2P7S

Issued

17. February 2022

MA# MA005619730

Package PG-TO251-3-347

Weight*

301.02 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	0.997	0.33	0.33	3314	3314
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		146	
	non noble metal	iron	7439-89-6	0.146	0.05		486	
	non noble metal	copper	7440-50-8	146.214	48.58	48.64	485728	486360
wire	non noble metal	aluminium	7429-90-5	0.171	0.06	0.06	570	570
encapsulation	organic material	carbon black	1333-86-4	1.258	0.42		4178	
	plastics	epoxy resin	-	23.895	7.94		79382	
	inorganic material	silicondioxide	60676-86-0	100.613	33.42	41.78	334239	417799
leadfinish	non noble metal	tin	7440-31-5	3.774	1.25	1.25	12538	12538
solder	non noble metal	tin	7440-31-5	0.028	0.01		95	
	noble metal	silver	7440-22-4	0.036	0.01		118	
	non noble metal	lead	7439-92-1	1.359	0.45	0.47	4513	4726
heatspreader	inorganic material	phosphorus	7723-14-0	0.007			22	
	non noble metal	iron	7439-89-6	0.022	0.01		75	
	non noble metal	copper	7440-50-8	22.455	7.46	7.47	74596	74693
*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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