



Material Content Data Sheet



Sales Product Name		IPSA70R1K4CE		Issued		4. July 2019		
MA#		MA005339830						
Package		PG-TO251-3-347		Weight*		301.73 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	0.63	0.63	6289	6289
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		146	
	non noble metal	iron	7439-89-6	0.146	0.05		485	
	non noble metal	copper	7440-50-8	146.214	48.47	48.53	484581	485212
	non noble metal	aluminium	7429-90-5	0.446	0.15	0.15	1477	1477
wire	non noble metal	aluminium	7429-90-5	0.446	0.15	0.15	1477	1477
encapsulation	organic material	carbon black	1333-86-4	1.246	0.41		4131	
	plastics	epoxy resin	-	23.680	7.85		78481	
	inorganic material	silicondioxide	60676-86-0	99.706	33.04	41.30	330447	413059
leadfinish	non noble metal	tin	7440-31-5	3.774	1.25	1.25	12509	12509
solder	non noble metal	tin	7440-31-5	0.042	0.01		139	
	noble metal	silver	7440-22-4	0.052	0.02		173	
	non noble metal	lead	7439-92-1	1.999	0.66	0.69	6625	6937
heatspreader	inorganic material	phosphorus	7723-14-0	0.007	0.00		22	
	non noble metal	iron	7439-89-6	0.022	0.01		75	
	non noble metal	copper	7440-50-8	22.455	7.44	7.45	74420	74517
*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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