



Material Content Data Sheet



Sales Product Name		IPSA70R2K0CE		Issued		1. August 2018		
MA#		MA001610110						
Package		PG-TO251-3-347		Weight*		301.45 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	1.525	0.51	0.51	5058	5058
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	48.50	48.56	485029	485661
	non noble metal	aluminium	7429-90-5	0.446	0.15	0.15	1479	1479
wire	non noble metal	aluminium	7429-90-5	0.446	0.15	0.15	1479	1479
encapsulation	organic material	carbon black	1333-86-4	1.250	0.41		4146	
	plastics	epoxy resin	-	23.747	7.88		78775	
	inorganic material	silicondioxide	60676-86-0	99.988	33.17	41.46	331685	414606
leadfinish	non noble metal	tin	7440-31-5	3.774	1.25	1.25	12520	12520
solder	non noble metal	tin	7440-31-5	0.037	0.01		122	
	noble metal	silver	7440-22-4	0.046	0.02		152	
	non noble metal	lead	7439-92-1	1.753	0.58	0.61	5816	6090
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	7.45	7.46	74489	74586
*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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