

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPSA70R600P7S	**Issued**	7. January 2020
MA#	MA005414013		
Package	PG-TO251-3-347	**Weight***	301.56 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	1.674	0.56	0.56	5550	5550
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	48.48	48.54	484857	485488
wire	non noble metal	aluminium	7429-90-5	0.467	0.15	0.15	1548	1548
encapsulation	organic material	carbon black	1333-86-4	1.248	0.41		4140	
	plastics	epoxy resin	-	23.719	7.87		78653	
	inorganic material	silicondioxide	60676-86-0	99.868	33.12	41.40	331170	413963
leadfinish	non noble metal	tin	7440-31-5	3.774	1.25	1.25	12516	12516
solder	non noble metal	tin	7440-31-5	0.038	0.01		128	
	noble metal	silver	7440-22-4	0.048	0.02		159	
	non noble metal	lead	7439-92-1	1.836	0.61	0.64	6089	6376
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	74462	74559
*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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