

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPSA70R450P7S	**Issued**	06. April 2021
MA#	MA001666490		
Package	PG-TO251-3-347	**Weight***	301.83 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	2.030	0.67	0.67	6725	6725
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	48.45	48.51	484421	485052
wire	non noble metal	aluminium	7429-90-5	0.466	0.15	0.15	1544	1544
encapsulation	organic material	carbon black	1333-86-4	1.245	0.41		4125	
	plastics	epoxy resin	-	23.655	7.84		78370	
	inorganic material	silicondioxide	60676-86-0	99.598	33.00	41.25	329979	412474
leadfinish	non noble metal	tin	7440-31-5	3.774	1.25	1.25	12505	12505
solder	non noble metal	tin	7440-31-5	0.044	0.01		144	
	noble metal	silver	7440-22-4	0.054	0.02		180	
	non noble metal	lead	7439-92-1	2.078	0.69	0.72	6885	7209
heatspreader	inorganic material	phosphorus	7723-14-0	0.007			22	
	non noble metal	iron	7439-89-6	0.022	0.01		74	
	non noble metal	copper	7440-50-8	22.455	7.44	7.45	74395	74491
*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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