

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPS80R600P7	**Issued**	17. February 2022
MA#	MA005619685		
Package	PG-TO251-3-344	**Weight***	335.92 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	2.570	0.76	0.76	7650	7650
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		138	
	non noble metal	iron	7439-89-6	0.154	0.05		459	
	non noble metal	copper	7440-50-8	154.154	45.90	45.96	458901	459498
wire	non noble metal	aluminium	7429-90-5	1.252	0.37	0.37	3727	3727
encapsulation	organic material	carbon black	1333-86-4	0.443	0.13		1319	
	plastics	epoxy resin	-	13.436	4.00		39997	
	inorganic material	silicondioxide	60676-86-0	133.767	39.82	43.95	398211	439527
leadfinish	non noble metal	tin	7440-31-5	4.142	1.23	1.23	12331	12331
plating	non noble metal	nickel	7440-02-0	0.607	0.18	0.18	1806	1806
solder	non noble metal	tin	7440-31-5	0.049	0.01		146	
	noble metal	silver	7440-22-4	0.061	0.02		183	
	non noble metal	lead	7439-92-1	2.342	0.70	0.73	6972	7301
heatspreader	inorganic material	phosphorus	7723-14-0	0.007			20	
	non noble metal	iron	7439-89-6	0.023	0.01		68	
	non noble metal	copper	7440-50-8	22.867	6.81	6.82	68072	68160
*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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