



Material Content Data Sheet



Sales Product Name		IPS80R600P7		Issued		20. July 2018		
MA#		MA001662422						
Package		PG-TO251-3-344		Weight*		334.93 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	0.77	0.77	7673	7673
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		138	
	non noble metal	iron	7439-89-6	0.154	0.05		461	
	non noble metal	copper	7440-50-8	154.154	46.03	46.09	460262	460861
	non noble metal	aluminium	7429-90-5	1.006	0.30	0.30	3005	3005
wire	non noble metal	aluminium	7429-90-5	1.006	0.30	0.30	3005	3005
encapsulation	organic material	carbon black	1333-86-4	0.441	0.13		1316	
	plastics	epoxy resin	-	13.370	3.99		39919	
	inorganic material	silicondioxide	60676-86-0	133.112	39.74	43.86	397434	438669
leadfinish	non noble metal	tin	7440-31-5	4.142	1.24	1.24	12367	12367
plating	non noble metal	nickel	7440-02-0	0.607	0.18	0.18	1812	1812
solder	non noble metal	tin	7440-31-5	0.049	0.01		145	
	noble metal	silver	7440-22-4	0.061	0.02		181	
	non noble metal	lead	7439-92-1	2.319	0.69	0.72	6924	7250
heatspreader	inorganic material	phosphorus	7723-14-0	0.007	0.00		21	
	non noble metal	iron	7439-89-6	0.023	0.01		68	
	non noble metal	copper	7440-50-8	22.867	6.83	6.84	68274	68363
*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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