



Material Content Data Sheet



Sales Product Name		IPS80R2K0P7		Issued		2. August 2018		
MA#		MA001662826						
Package		PG-TO251-3-344		Weight*		333.91 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	1.085	0.33	0.33	3251	3251
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		139	
	non noble metal	iron	7439-89-6	0.154	0.05		462	
	non noble metal	copper	7440-50-8	154.154	46.17	46.23	461663	462264
	non noble metal	aluminium	7429-90-5	0.144	0.04	0.04	431	431
wire	non noble metal	aluminium	7429-90-5	0.144	0.04	0.04	431	431
encapsulation	organic material	carbon black	1333-86-4	0.448	0.13		1340	
	plastics	epoxy resin	-	13.577	4.07		40660	
	inorganic material	silicondioxide	60676-86-0	135.171	40.48	44.68	404812	446812
leadfinish	non noble metal	tin	7440-31-5	4.142	1.24	1.24	12405	12405
plating	non noble metal	nickel	7440-02-0	0.607	0.18	0.18	1817	1817
solder	non noble metal	tin	7440-31-5	0.030	0.01		89	
	noble metal	silver	7440-22-4	0.037	0.01		111	
	non noble metal	lead	7439-92-1	1.419	0.42	0.44	4248	4448
heatspreader	inorganic material	phosphorus	7723-14-0	0.007	0.00		21	
	non noble metal	iron	7439-89-6	0.023	0.01		69	
	non noble metal	copper	7440-50-8	22.867	6.85	6.86	68482	68572
*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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