



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPU80R1K4P7	Issued	17. February 2022
MA#	MA005620570		
Package	PG-TO251-3-341	Weight*	388.27 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	1.500	0.39	0.39	3862	3862
leadframe	inorganic material	phosphorus	7723-14-0	0.075	0.02		192	
	non noble metal	iron	7439-89-6	0.248	0.06		640	
	non noble metal	copper	7440-50-8	248.124	63.91	63.99	639051	639883
wire	non noble metal	aluminium	7429-90-5	0.487	0.13	0.13	1253	1253
encapsulation	organic material	carbon black	1333-86-4	0.395	0.10		1018	
	plastics	epoxy resin	-	11.990	3.09		30881	
	inorganic material	silicondioxide	60676-86-0	119.374	30.74	33.93	307450	339349
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9633	9633
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1311	1311
solder	non noble metal	tin	7440-31-5	0.037	0.01		94	
	noble metal	silver	7440-22-4	0.046	0.01		118	
	non noble metal	lead	7439-92-1	1.746	0.45	0.47	4497	4709
*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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