



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD80R2K4P7	Issued	11. May 2021
MA#	MA001657714		
Package	PG-TO252-3-341	Weight*	387.12 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	1.008	0.26	0.26	2603	2603
leadframe	inorganic material	phosphorus	7723-14-0	0.075	0.02		193	
	non noble metal	iron	7439-89-6	0.248	0.06		642	
	non noble metal	copper	7440-50-8	248.124	64.10	64.18	640947	641782
wire	non noble metal	aluminium	7429-90-5	0.134	0.03	0.03	345	345
encapsulation	organic material	carbon black	1333-86-4	0.396	0.10		1022	
	plastics	epoxy resin	-	11.999	3.10		30996	
	inorganic material	silicondioxide	60676-86-0	119.466	30.86	34.06	308601	340619
leadfinish	non noble metal	tin	7440-31-5	3.740	0.97	0.97	9661	9661
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1314	1314
solder	non noble metal	tin	7440-31-5	0.028	0.01		74	
	noble metal	silver	7440-22-4	0.036	0.01		92	
	non noble metal	lead	7439-92-1	1.359	0.35	0.37	3510	3676
*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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