



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD80R4K5P7	Issued	14. February 2022
MA#	MA005425055		
Package	PG-TO252-3-345	Weight*	336.55 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	0.679	0.20	0.20	2017	2017
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		172	
	non noble metal	iron	7439-89-6	0.193	0.06		573	
	non noble metal	copper	7440-50-8	192.629	57.23	57.31	572369	573114
wire	non noble metal	aluminium	7429-90-5	0.092	0.03	0.03	274	274
encapsulation	organic material	carbon black	1333-86-4	0.416	0.12		1236	
	plastics	epoxy resin	-	12.616	3.75		37486	
	inorganic material	silicondioxide	60676-86-0	125.604	37.32	41.19	373214	411936
leadfinish	non noble metal	tin	7440-31-5	2.562	0.76	0.76	7613	7613
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1679	1679
solder	non noble metal	tin	7440-31-5	0.023	0.01		67	
	noble metal	silver	7440-22-4	0.028	0.01		84	
	non noble metal	lead	7439-92-1	1.082	0.32	0.34	3216	3367
*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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