



Material Content Data Sheet



Halogen-Free

Sales Product Name IPD80R450P7

Issued

14. February 2022

MA# MA005621147

Package PG-TO252-3-341

Weight*

389.90 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	3.428	0.88	0.88	8793	8793
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		176	
	non noble metal	iron	7439-89-6	0.229	0.06		588	
	non noble metal	copper	7440-50-8	228.946	58.71	58.79	587197	587961
wire	non noble metal	aluminium	7429-90-5	1.905	0.49	0.49	4885	4885
encapsulation	organic material	carbon black	1333-86-4	0.386	0.10		991	
	plastics	epoxy resin	-	11.718	3.01		30053	
	inorganic material	silicondioxide	60676-86-0	116.662	29.92	33.03	299212	330256
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9592	9592
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1305	1305
solder	non noble metal	tin	7440-31-5	0.062	0.02		159	
	noble metal	silver	7440-22-4	0.078	0.02		199	
	non noble metal	lead	7439-92-1	2.963	0.76	0.80	7600	7958
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			15	
	non noble metal	iron	7439-89-6	0.019			49	
	non noble metal	copper	7440-50-8	19.177	4.92	4.92	49186	49250
*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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