



Material Content Data Sheet



Halogen-Free

Sales Product Name IPD80R2K0P7

Issued

14. February 2022

MA# MA005621156

Package PG-TO252-3-342

Weight*

333.31 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	3257	3257
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		144	
	non noble metal	iron	7439-89-6	0.160	0.05		481	
	non noble metal	copper	7440-50-8	160.096	48.04	48.10	480321	480946
wire	non noble metal	aluminium	7429-90-5	0.173	0.05	0.05	520	520
encapsulation	organic material	carbon black	1333-86-4	1.174	0.35		3523	
	plastics	epoxy resin	-	16.439	4.93		49322	
	inorganic material	silicondioxide	60676-86-0	129.167	38.75	44.03	387529	440374
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11221	11221
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1570	1570
solder	non noble metal	tin	7440-31-5	0.030	0.01		90	
	noble metal	silver	7440-22-4	0.038	0.01		113	
	non noble metal	lead	7439-92-1	1.433	0.43	0.45	4298	4501
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			17	
	non noble metal	iron	7439-89-6	0.019	0.01		58	
	non noble metal	copper	7440-50-8	19.177	5.75	5.76	57536	57611
*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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