



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD80R2K0P7	Issued	12. April 2021
MA#	MA002116580		
Package	PG-TO252-3-342	Weight*	333.27 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	1.085	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	480379	481004
wire	non noble metal	aluminium	7429-90-5	0.148	0.04	0.04	444	444
encapsulation	organic material	carbon black	1333-86-4	1.174	0.35		3523	
	plastics	epoxy resin	-	16.439	4.93		49328	
	inorganic material	silicon dioxide	60676-86-0	129.167	38.76	44.04	387576	440427
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11222	11222
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1571	1571
solder	non noble metal	tin	7440-31-5	0.030	0.01		89	
	noble metal	silver	7440-22-4	0.037	0.01		111	
	non noble metal	lead	7439-92-1	1.419	0.43	0.45	4257	4457
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	57543	57618
*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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