



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD80R2K7C3A	Issued	04. May 2021
MA#	MA001096672		
Package	PG-TO252-3-313	Weight*	318.33 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	2.280	0.72	0.72	7161	7161
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	iron	7439-89-6	0.147	0.05		463	
	non noble metal	copper	7440-50-8	147.096	46.22	46.28	462090	462692
wire	non noble metal	aluminium	7429-90-5	0.640	0.20	0.20	2011	2011
encapsulation	inorganic material	zinc oxide	1314-13-2	1.414	0.44		4442	
	miscellaneous	miscellaneous	-	7.070	2.22		22209	
	plastics	epoxy resin	-	21.209	6.66		66627	
	inorganic material	silicon dioxide	60676-86-0	111.702	35.09	44.41	350903	444181
lead finish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11749	11749
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4462	4473
solder	non noble metal	tin	7440-31-5	0.047	0.01		148	
	noble metal	silver	7440-22-4	0.059	0.02		185	
	non noble metal	lead	7439-92-1	2.253	0.71	0.74	7078	7411
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	6.02	6.03	60244	60322
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com