



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDV20E65D1	Issued	14. February 2022
MA#	MA005619260		
Package	PG-TO220-2-23	Weight*	2153.14 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	0.903	0.04	0.04	419	419
leadframe	inorganic material	phosphorus	7723-14-0	0.306	0.01		142	
	non noble metal	iron	7439-89-6	1.021	0.05		474	
	non noble metal	copper	7440-50-8	1,020.042	47.38	47.44	473746	474362
wire	non noble metal	aluminium	7429-90-5	7.287	0.34	0.34	3384	3384
encapsulation	organic material	carbon black	1333-86-4	2.239	0.10		1040	
	plastics	epoxy resin	-	209.961	9.75		97514	
	inorganic material	silicondioxide	60676-86-0	904.293	42.00	51.85	419989	518543
leadfinish	non noble metal	tin	7440-31-5	5.465	0.25	0.25	2538	2538
plating	non noble metal	nickel	7440-02-0	0.787	0.04	0.04	366	366
solder	non noble metal	antimony	7440-36-0	0.083			39	
	noble metal	silver	7440-22-4	0.209	0.01		97	
	non noble metal	tin	7440-31-5	0.543	0.03	0.04	252	388
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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 does not use any exemption.

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