



Material Content Data Sheet



Sales Product Name		IDV20E65D1		Issued		20. July 2018		
MA#		MA001458598						
Package		PG-TO220-2-23		Weight*		2158.18 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	418	418
leadframe	non noble metal	iron	7439-89-6	1.021	0.05		473	
	inorganic material	phosphorus	7723-14-0	0.306	0.01		142	
	non noble metal	copper	7440-50-8	1020.042	47.27	47.33	472639	473254
wire	non noble metal	aluminium	7429-90-5	5.856	0.27	0.27	2714	2714
encapsulation	organic material	carbon black	1333-86-4	2.252	0.10		1043	
	plastics	epoxy resin	-	211.170	9.78		97846	
	inorganic material	silicondioxide	60676-86-0	909.468	42.14	52.02	421405	520294
leadfinish	non noble metal	tin	7440-31-5	5.534	0.26	0.26	2564	2564
plating	non noble metal	nickel	7440-02-0	0.797	0.04	0.04	369	369
solder	non noble metal	antimony	7440-36-0	0.083	0.00		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	251	387
*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 does not use any exemption

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