



Material Content Data Sheet



Sales Product Name				1ED020I12FTA		Issued		25. September 2017	
MA#				MA001074178					
Package				PG-DSO-20-77		Weight*		561.44 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	4.549	0.81	0.81	8102	8102	
leadframe	inorganic material	phosphorus	7723-14-0	0.035	0.01		62		
	non noble metal	zinc	7440-66-6	0.140	0.02		250		
	non noble metal	iron	7439-89-6	2.805	0.50		4996		
wire	non noble metal	copper	7440-50-8	113.899	20.29	20.82	202869	208177	
	noble metal	gold	7440-57-5	0.722	0.13	0.13	1286	1286	
	encapsulation	organic material	carbon black	1333-86-4	1.308	0.23		2329	
encapsulation	plastics	epoxy resin	-	51.002	9.08		90841		
	inorganic material	silicondioxide	60676-86-0	383.602	68.34	77.65	683243	776413	
	leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		1	
plating	noble metal	silver	7440-22-4	0.001	0.00		1		
	noble metal	gold	7440-57-5	0.001	0.00		2		
	non noble metal	nickel	7440-02-0	1.184	0.21	0.21	2108	2112	
	noble metal	palladium	7440-05-3	0.000	0.00		1		
plating	non noble metal	nickel	7440-02-0	0.063	0.01	0.01	112	115	
	noble metal	silver	7440-22-4	0.000	0.00		1		
	noble metal	gold	7440-57-5	0.000	0.00		1		
glue	plastics	epoxy resin	-	0.533	0.09		949		
	noble metal	silver	7440-22-4	1.598	0.28	0.37	2846	3795	
*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

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