



Material Content Data Sheet



Sales Product Name		1ED020I12FTA		Issued		31. July 2018		
MA#		MA003046038						
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_1	inorganic material	silicon	7440-21-3	1.477	0.26	0.26	2631	2631
chip_2	inorganic material	silicon	7440-21-3	3.071	0.55	0.55	5471	5471
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
	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	
	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
plating	noble metal	silver	7440-22-4	0.000	0.00		1	
	noble metal	gold	7440-57-5	0.000	0.00		1	
	noble metal	palladium	7440-05-3	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.063	0.01	0.01	112	115
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.
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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

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