



## Material Content Data Sheet



<b>Sales Product Name</b>		2ED020I12-F2		<b>Issued</b>		27. September 2017			
<b>MA#</b>		MA001368290							
<b>Package</b>		PG-DSO-36-60		<b>Weight*</b>		614.37 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	9.097	1.48	1.48	14807	14807	
leadframe	inorganic material	phosphorus	7723-14-0	0.052	0.01		84		
		non noble metal	zinc	7440-66-6	0.207	0.03		337	
		non noble metal	iron	7439-89-6	4.146	0.67		6748	
wire	non noble metal	copper	7440-50-8	168.346	27.40	28.11	274015	281184	
		noble metal	gold	7440-57-5	1.255	0.20	0.20	2043	2043
		organic material	carbon black	1333-86-4	1.261	0.21		2053	
encapsulation	plastics	epoxy resin	-	49.182	8.01		80053		
		inorganic material	silicondioxide	60676-86-0	369.914	60.22	68.44	602105	684211
leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		2		
		silver	7440-22-4	0.001	0.00		2		
		gold	7440-57-5	0.002	0.00		3		
		non noble metal	nickel	7440-02-0	1.865	0.30	0.30	3035	3042
plating	noble metal	silver	7440-22-4	0.003	0.00		4		
		palladium	7440-05-3	0.003	0.00		5		
		gold	7440-57-5	0.005	0.00		8		
		non noble metal	nickel	7440-02-0	4.768	0.78	0.78	7761	7778
glue	plastics	epoxy resin	-	1.065	0.17		1734		
		noble metal	silver	7440-22-4	3.195	0.52	0.69	5201	6935
*deviation	< 10%				Sum in total:	100.00		1000000	

### Important Remarks:

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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