



## Material Content Data Sheet



<b>Sales Product Name</b>				1ED110I12MH		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA001398178					
<b>Package</b>				PG-DSO-8-59		<b>Weight*</b>		287.36 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	2.614	0.91	0.91	9095	9095	
leadframe	inorganic material	phosphorus	7723-14-0	0.025	0.01		88		
	non noble metal	zinc	7440-66-6	0.101	0.04		351		
	non noble metal	iron	7439-89-6	2.018	0.70		7023		
wire	non noble metal	copper	7440-50-8	81.947	28.52	29.27	285176	292638	
	noble metal	gold	7440-57-5	0.319	0.11	0.11	1109	1109	
	encapsulation	organic material	carbon black	1333-86-4	0.595	0.21		2070	
plastics	plastics	epoxy resin	-	23.195	8.07		80719		
	inorganic material	silicondioxide	60676-86-0	174.458	60.71	68.99	607111	689903	
	leadfinish	noble metal	palladium	7440-05-3	0.000	0.00		1	
plating	noble metal	silver	7440-22-4	0.000	0.00		1		
	noble metal	gold	7440-57-5	0.000	0.00		2		
	non noble metal	nickel	7440-02-0	0.496	0.17	0.17	1728	1732	
	noble metal	palladium	7440-05-3	0.000	0.00		1		
glue	non noble metal	nickel	7440-02-0	0.052	0.02		182		
	noble metal	silver	7440-22-4	0.000	0.00		1		
	noble metal	gold	7440-57-5	0.000	0.00	0.02	1	182	
*deviation	plastics	epoxy resin	-	0.384	0.13		1335		
	noble metal	silver	7440-22-4	1.151	0.40	0.53	4006	5341	
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