



## Material Content Data Sheet



<b>Sales Product Name</b>		2ED020I12-FI		<b>Issued</b>		23. January 2018		
<b>MA#</b>		MA001692474						
<b>Package</b>		PG-DSO-18-2		<b>Weight*</b>		591.87 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	4.639	0.78	0.78	7837	7837
leadframe	inorganic material	phosphorus	7723-14-0	0.042	0.01		71	
	non noble metal	zinc	7440-66-6	0.169	0.03		285	
	non noble metal	iron	7439-89-6	3.377	0.57		5705	
wire	non noble metal	copper	7440-50-8	137.116	23.17	23.78	231664	237725
	noble metal	gold	7440-57-5	0.592	0.10	0.10	1001	1001
	encapsulation	organic material	carbon black	1333-86-4	0.877	0.15		1482
plastics	plastics	epoxy resin	-	40.354	6.82		68180	
	inorganic material	silicondioxide	60676-86-0	397.397	67.14	74.11	671423	741085
leadfinish	non noble metal	tin	7440-31-5	2.998	0.51	0.51	5065	5065
plating	noble metal	silver	7440-22-4	1.382	0.23	0.23	2335	2335
glue	plastics	epoxy resin	-	0.733	0.12		1238	
	noble metal	silver	7440-22-4	2.198	0.37	0.49	3714	4952
*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

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