



## Material Content Data Sheet



<b>Sales Product Name</b>		1EDS20I12SV		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001372610						
<b>Package</b>		PG-DSO-36-64		<b>Weight*</b>		602.80 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	9.987	1.66	1.66	16568	16568
leadframe	inorganic material	phosphorus	7723-14-0	0.046	0.01		76	
	non noble metal	zinc	7440-66-6	0.182	0.03		302	
	non noble metal	iron	7439-89-6	3.642	0.60		6042	
wire	non noble metal	copper	7440-50-8	147.883	24.53	25.17	245327	251747
	noble metal	gold	7440-57-5	1.103	0.18	0.18	1829	1829
	encapsulation	organic material	carbon black	1333-86-4	1.294	0.21		2147
plastics		epoxy resin	-	41.848	6.94		69423	
	inorganic material	silicondioxide	60676-86-0	388.282	64.42	71.57	644130	715700
leadfinish	non noble metal	tin	7440-31-5	4.857	0.81	0.81	8057	8057
plating	noble metal	silver	7440-22-4	0.612	0.10	0.10	1016	1016
glue	plastics	acrylic resin	-	0.674	0.11		1118	
	noble metal	silver	7440-22-4	2.390	0.40	0.51	3965	5083
*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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