



Material Content Data Sheet



Sales Product Name	1ED020I12FA			Issued		29. May 2015		
MA#	MA001074182							
Package	PG-DSO-20-77			Weight*		561.63 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	4.549	0.81	0.81	8099	8099
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		4995	
	non noble metal	copper	7440-50-8	113.899	20.28	20.81	202801	208108
wire	noble metal	gold	7440-57-5	0.737	0.13	0.13	1311	1311
encapsulation	organic material	carbon black	1333-86-4	1.308	0.23		2328	
	plastics	epoxy resin	-	51.001	9.08		90809	
	inorganic material	silicondioxide	60676-86-0	383.599	68.33	77.64	683011	776148
leadfinish	noble metal	gold	7440-57-5	0.027	0.00		48	
	noble metal	palladium	7440-05-3	0.027	0.00		48	
	noble metal	silver	7440-22-4	0.027	0.00		48	
	non noble metal	nickel	7440-02-0	1.274	0.23	0.23	2268	2412
plating	noble metal	gold	7440-57-5	0.001	0.00		3	
	non noble metal	nickel	7440-02-0	0.068	0.01		120	
	noble metal	palladium	7440-05-3	0.001	0.00		3	
	noble metal	silver	7440-22-4	0.001	0.00	0.01	3	129
glue	plastics	epoxy resin	-	0.533	0.09		948	
	noble metal	silver	7440-22-4	1.598	0.28	0.37	2845	3793
*deviation	< 10%	Sum in total:			100.00			1000000

Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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