



Material Content Data Sheet



Halogen-Free

Sales Product Name	1EDI20N12AF	Issued	05. May 2021
MA#	MA001245990		
Package	PG-DSO-8-51	Weight*	80.24 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.494	0.62	0.62	6158	6158
chip_2	inorganic material	silicon	7440-21-3	1.075	1.34	1.34	13402	13402
leadframe	inorganic material	phosphorus	7723-14-0	0.008	0.01		103	
	non noble metal	zinc	7440-66-6	0.033	0.04		411	
	non noble metal	iron	7439-89-6	0.660	0.82		8222	
	non noble metal	copper	7440-50-8	26.789	33.39	34.26	333854	342590
wire	noble metal	gold	7440-57-5	0.236	0.29	0.29	2947	2947
encapsulation	organic material	carbon black	1333-86-4	0.148	0.18		1847	
	plastics	epoxy resin	-	4.791	5.97		59704	
	inorganic material	silicondioxide	60676-86-0	44.451	55.40	61.55	553959	615510
leadfinish	non noble metal	tin	7440-31-5	0.814	1.01	1.01	10142	10142
plating	noble metal	silver	7440-22-4	0.095	0.12	0.12	1187	1187
glue	plastics	acrylic resin	-	0.142	0.18		1774	
	noble metal	silver	7440-22-4	0.505	0.63	0.81	6290	8064
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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 Neubiberg
Internet	www.infineon.com