



## Material Content Data Sheet



<b>Sales Product Name</b>		ICE3AR4780JG		<b>Issued</b>		26. September 2017			
<b>MA#</b>		MA001585370							
<b>Package</b>		PG-DSO-12-19		<b>Weight*</b>		155.17 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	2.774	1.79	1.79	17874	17874	
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112		
	non noble metal	zinc	7440-66-6	0.069	0.04		447		
	non noble metal	iron	7439-89-6	1.386	0.89		8933		
wire	non noble metal	copper	7440-50-8	56.286	36.27	37.21	362733	372225	
	noble metal	gold	7440-57-5	0.246	0.16	0.16	1584	1584	
	encapsulation	organic material	carbon black	1333-86-4	0.275	0.18		1773	
encapsulation	plastics	epoxy resin	-	10.730	6.91		69148		
	inorganic material	silicondioxide	60676-86-0	80.703	52.01	59.10	520089	591010	
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7364	7364	
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2761	2761	
glue	plastics	epoxy resin	-	0.167	0.11		1077		
	noble metal	silver	7440-22-4	0.947	0.61	0.72	6105	7182	
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com