



Material Content Data Sheet



Sales Product Name		ICE5GR1680AG		Issued		31. July 2018		
MA#		MA001994412						
Package		PG-DSO-12-21		Weight*		154.85 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	2.123	1.37	1.37	13712	13712
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		448	
	non noble metal	iron	7439-89-6	1.386	0.90		8952	
wire	non noble metal	copper	7440-50-8	56.286	36.35	37.30	363485	372997
	noble metal	palladium	7440-05-3	0.001	0.00		6	
	non noble metal	copper	7440-50-8	0.088	0.06	0.06	567	573
encapsulation	organic material	carbon black	1333-86-4	0.277	0.18		1789	
	plastics	epoxy resin	-	10.807	6.98		69790	
	inorganic material	silicondioxide	60676-86-0	81.284	52.48	59.64	524918	596497
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7379	7379
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2767	2767
glue	plastics	epoxy resin	-	0.141	0.09		911	
	noble metal	silver	7440-22-4	0.800	0.52	0.61	5164	6075
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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 München
Internet	www.infineon.com