



Material Content Data Sheet



Sales Product Name		TLE4290G		Issued		31. July 2018		
MA#		MA000714214						
Package		PG-TO263-5-1		Weight*		1674.21 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	3.794	0.23	0.23	2266	2266
leadframe	inorganic material	phosphorus	7723-14-0	0.145	0.01		87	
	non noble metal	iron	7439-89-6	0.483	0.03		288	
	non noble metal	copper	7440-50-8	482.096	28.80	28.84	287954	288329
	non noble metal	aluminium	7429-90-5	0.203	0.01	0.01	121	121
wire	non noble metal	aluminium	7429-90-5	0.203	0.01	0.01	121	121
encapsulation	organic material	carbon black	1333-86-4	1.455	0.09		869	
	plastics	epoxy resin	-	66.936	4.00		39981	
	inorganic material	silicondioxide	60676-86-0	659.176	39.35	43.44	393722	434572
leadfinish	non noble metal	tin	7440-31-5	12.370	0.74	0.74	7388	7388
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.243	0.01	0.01	145	146
solder	non noble metal	tin	7440-31-5	0.106	0.01		63	
	noble metal	silver	7440-22-4	0.132	0.01		79	
	non noble metal	lead	7439-92-1	5.044	0.30	0.32	3013	3155
heatspreader	inorganic material	phosphorus	7723-14-0	0.133	0.01		79	
	non noble metal	iron	7439-89-6	0.442	0.03		264	
	non noble metal	copper	7440-50-8	441.456	26.37	26.41	263680	264023
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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