



Material Content Data Sheet



Sales Product Name		IPI180N10N3 G		Issued		1. August 2018		
MA#		MA001709844						
Package		PG-TO262-3-22		Weight*		1562.92 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	2.307	0.15	0.15	1476	1476
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		544	
	non noble metal	copper	7440-50-8	849.682	54.35	54.42	543650	544357
	non noble metal	aluminium	7429-90-5	3.254	0.21	0.21	2082	2082
wire	non noble metal	aluminium	7429-90-5	3.254	0.21	0.21	2082	2082
encapsulation	organic material	carbon black	1333-86-4	2.327	0.15		1489	
	plastics	epoxy resin	-	67.477	4.32		43174	
	inorganic material	silicondioxide	60676-86-0	511.898	32.75	37.22	327526	372189
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9724	9724
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1056	1056
solder	non noble metal	antimony	7440-36-0	0.168	0.01		107	
	noble metal	silver	7440-22-4	0.419	0.03		268	
	non noble metal	tin	7440-31-5	1.089	0.07	0.11	697	1072
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.80	6.81	67956	68044
*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