



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPI040N06N3 G	Issued	15. April 2021
MA#	MA005403176		
Package	PG-TO262-3-22	Weight*	1575.33 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	5.184	0.33	0.33	3291	3291
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		540	
	non noble metal	copper	7440-50-8	849.682	53.94	54.01	539367	540069
wire	non noble metal	aluminium	7429-90-5	7.863	0.50	0.50	4991	4991
encapsulation	organic material	carbon black	1333-86-4	2.927	0.19		1858	
	miscellaneous	miscellaneous	-	2.927	0.19		1858	
	organic material	phenol formaldehyde resin	9003-35-4	35.130	2.23		22300	
	inorganic material	silicondioxide	14808-60-7	46.840	2.97		29733	
	non noble metal	metal hydroxide	-	46.840	2.97		29733	
	plastics	epoxy resin	29690-82-2	70.260	4.46		44600	
	inorganic material	silicondioxide	60676-86-0	380.573	24.16	37.17	241583	371665
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9647	9647
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1048	1048
solder	non noble metal	antimony	7440-36-0	0.280	0.02		178	
	noble metal	silver	7440-22-4	0.701	0.04		445	
	non noble metal	tin	7440-31-5	1.822	0.12	0.18	1157	1780
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.74	6.75	67421	67509
*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 Neubiberg
Internet	www.infineon.com