



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPI147N12N3 G	Issued	17. February 2022
MA#	MA005698357		
Package	PG-TO262-3-1	Weight*	1575.19 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	4.429	0.28	0.28	2812	2812
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	539414	540116
wire	non noble metal	aluminium	7429-90-5	7.518	0.48	0.48	4773	4773
encapsulation	inorganic material	zinc oxide	1314-13-2	5.867	0.37		3725	
	miscellaneous	miscellaneous	-	23.467	1.49		14898	
	plastics	epoxy resin	-	88.003	5.59		55868	
	inorganic material	silicon dioxide	60676-86-0	469.347	29.80	37.25	297962	372453
lead finish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9648	9648
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	145	146
solder	non noble metal	tin	7440-31-5	0.080	0.01		51	
	noble metal	silver	7440-22-4	0.100	0.01		63	
	non noble metal	lead	7439-92-1	3.816	0.24	0.26	2423	2537
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	67427	67515
*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 Neubiberg
Internet	www.infineon.com