

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI80N06S4-05	**Issued**	04. May 2021
MA#	MA001055148		
Package	PG-TO262-3-1	**Weight***	1573.93 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	3.393	0.22	0.22	2156	2156
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		541	
	non noble metal	copper	7440-50-8	849.682	53.99	54.06	539849	540552
wire	non noble metal	aluminium	7429-90-5	6.637	0.42	0.42	4217	4217
encapsulation	inorganic material	zincoxide	1314-13-2	5.883	0.37		3738	
	miscellaneous	miscellaneous	-	23.534	1.50		14952	
	plastics	epoxy resin	-	88.252	5.61		56071	
	inorganic material	silicondioxide	60676-86-0	470.677	29.90	37.38	299047	373808
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9656	9656
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	0.060			38	
	noble metal	silver	7440-22-4	0.075			47	
	non noble metal	lead	7439-92-1	2.850	0.18	0.18	1811	1896
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	6.75	6.76	67481	67569
*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.

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