

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI045N10N3 G	**Issued**	16. May 2021
MA#	MA005403185		
Package	PG-TO262-3-22	**Weight***	1578.20 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	8.861	0.56	0.56	5615	5615
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		539	
	non noble metal	copper	7440-50-8	849.682	53.84	53.91	538385	539086
wire	non noble metal	aluminium	7429-90-5	11.774	0.75	0.75	7460	7460
encapsulation	organic material	carbon black	1333-86-4	2.896	0.18		1835	
	miscellaneous	miscellaneous	-	2.896	0.18		1835	
	organic material	phenol formaldehyde resin	9003-35-4	34.757	2.20		22023	
	inorganic material	silicondioxide	14808-60-7	46.343	2.94		29365	
	non noble metal	metal hydroxide	-	46.343	2.94		29365	
	plastics	epoxy resin	29690-82-2	69.515	4.40		44047	
	inorganic material	silicondioxide	60676-86-0	376.537	23.86	36.70	238587	367057
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9630	9630
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1046	1046
solder	non noble metal	antimony	7440-36-0	0.429	0.03		272	
	noble metal	silver	7440-22-4	1.074	0.07		680	
	non noble metal	tin	7440-31-5	2.791	0.18	0.28	1769	2721
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		67	
	non noble metal	copper	7440-50-8	106.210	6.73	6.74	67298	67385
*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.

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