



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPI040N06N3 G	Issued	17. February 2022
MA#	MA005698535		
Package	PG-TO262-3-1	Weight*	1571.29 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	3299	3299
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	54.08	54.15	540756	541459
wire	non noble metal	aluminium	7429-90-5	8.215	0.52	0.52	5228	5228
encapsulation	organic material	carbon black	1333-86-4	5.825	0.37		3707	
	plastics	epoxy resin	-	110.679	7.04		70439	
	inorganic material	silicondioxide	60676-86-0	466.018	29.66	37.07	296585	370731
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9672	9672
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	antimony	7440-36-0	0.280	0.02		178	
	noble metal	silver	7440-22-4	0.701	0.04		446	
	non noble metal	tin	7440-31-5	1.822	0.12	0.18	1159	1783
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	6.76	6.77	67594	67682
*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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