

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI50R399CP	**Issued**	16. May 2021
MA#	MA005402829		
Package	PG-TO262-3-22	**Weight***	1573.91 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	4.846	0.31	0.31	3079	3079
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	53.98	54.05	539853	540556
wire	non noble metal	aluminium	7429-90-5	3.248	0.21	0.21	2064	2064
encapsulation	organic material	carbon black	1333-86-4	2.945	0.19		1871	
	miscellaneous	miscellaneous	-	2.945	0.19		1871	
	organic material	phenol formaldehyde resin	9003-35-4	35.345	2.25		22457	
	inorganic material	silicondioxide	14808-60-7	47.127	2.99		29943	
	non noble metal	metal hydroxide	-	47.127	2.99		29943	
	plastics	epoxy resin	29690-82-2	70.691	4.49		44914	
	inorganic material	silicondioxide	60676-86-0	382.910	24.33	37.43	243285	374284
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9656	9656
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1049	1049
solder	non noble metal	antimony	7440-36-0	0.274	0.02		174	
	noble metal	silver	7440-22-4	0.686	0.04		436	
	non noble metal	tin	7440-31-5	1.783	0.11	0.17	1133	1743
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:

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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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