

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI90R500C3	**Issued**	12. April 2021
MA#	MA005403126		
Package	PG-TO262-3-22	**Weight***	1576.21 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	9.945	0.63	0.63	6310	6310
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	53.90	53.97	539068	539770
wire	non noble metal	aluminium	7429-90-5	3.305	0.21	0.21	2097	2097
encapsulation	organic material	carbon black	1333-86-4	2.922	0.19		1854	
	miscellaneous	miscellaneous	-	2.922	0.19		1854	
	organic material	phenol formaldehyde resin	9003-35-4	35.062	2.22		22244	
	inorganic material	silicondioxide	14808-60-7	46.749	2.97		29659	
	non noble metal	metal hydroxide	-	46.749	2.97		29659	
	plastics	epoxy resin	29690-82-2	70.124	4.45		44489	
	inorganic material	silicondioxide	60676-86-0	379.838	24.10	37.09	240982	370741
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9642	9642
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1047	1047
solder	non noble metal	antimony	7440-36-0	0.461	0.03		292	
	noble metal	silver	7440-22-4	1.152	0.07		731	
	non noble metal	tin	7440-31-5	2.994	0.19	0.29	1900	2923
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	6.74	6.75	67383	67470
*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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