



Material Content Data Sheet



Sales Product Name				IPI60R099CP		Issued		20. July 2018	
MA#				MA001726140					
Package				PG-TO262-3-22		Weight*		1568.91 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	15.501	0.99	0.99	9880	9880	
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163		
	non noble metal	iron	7439-89-6	0.851	0.05		542		
	non noble metal	copper	7440-50-8	849.682	54.15	54.22	541573	542278	
	non noble metal	aluminium	7429-90-5	2.579	0.16	0.16	1644	1644	
wire	non noble metal	aluminium	7429-90-5	2.579	0.16	0.16	1644	1644	
encapsulation	organic material	carbon black	1333-86-4	2.281	0.15		1454		
	plastics	epoxy resin	-	66.162	4.22		42171		
	inorganic material	silicondioxide	60676-86-0	501.920	31.99	36.36	319916	363541	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9687	9687	
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1052	1052	
solder	non noble metal	antimony	7440-36-0	0.649	0.04		413		
	noble metal	silver	7440-22-4	1.621	0.10		1034		
	non noble metal	tin	7440-31-5	4.216	0.27	0.41	2687	4134	
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20		
	non noble metal	iron	7439-89-6	0.106	0.01		68		
	non noble metal	copper	7440-50-8	106.210	6.77	6.78	67696	67784	
*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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