



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI60R299CP		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000602868						
<b>Package</b>		PG-TO262-3-1		<b>Weight*</b>		1571.19 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	6.215	0.40	0.40	3955	3955
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		541	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	54.08	54.15	540788	541492
wire	non noble metal	aluminium	7429-90-5	13.412	0.85	0.85	8536	8536
encapsulation	organic material	carbon black	1333-86-4	5.755	0.37		3663	
	plastics	epoxy resin	-	109.351	6.96		69598	
	inorganic material	silicondioxide	60676-86-0	460.426	29.30	36.63	293043	366304
leadfinish	non noble metal	tin	7440-31-5	15.388	0.98	0.98	9794	9794
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145
solder	non noble metal	antimony	7440-36-0	0.328	0.02		209	
	noble metal	silver	7440-22-4	0.820	0.05		522	
	non noble metal	tin	7440-31-5	2.132	0.14	0.21	1357	2088
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		68	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	copper	7440-50-8	106.210	6.76	6.77	67598	67686
*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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