



## Material Content Data Sheet



<b>Sales Product Name</b>		IPI50R199CP		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA000904228						
<b>Package</b>		PG-TO262-3-1		<b>Weight*</b>		1570.92 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	8.809	0.56	0.56	5608	5608
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		542	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	54.09	54.16	540883	541588
wire	non noble metal	aluminium	7429-90-5	2.718	0.17	0.17	1730	1730
encapsulation	organic material	carbon black	1333-86-4	5.826	0.37		3709	
	plastics	epoxy resin	-	110.700	7.05		70468	
	inorganic material	silicondioxide	60676-86-0	466.104	29.67	37.09	296709	370886
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9674	9674
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	0.420	0.03		267	
	noble metal	silver	7440-22-4	1.049	0.07		668	
	non noble metal	tin	7440-31-5	2.727	0.17	0.27	1736	2671
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	67610	67698
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com