



Material Content Data Sheet



Sales Product Name		IPP90R500C3		Issued		1. August 2018		
MA#		MA000669546						
Package		PG-TO220-3-1		Weight*		2033.97 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	0.49	0.49	4890	4890
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.07	40.12	400857	401378
	non noble metal	aluminium	7429-90-5	2.784	0.14	0.14	1369	1369
wire	non noble metal	aluminium	7429-90-5	2.784	0.14	0.14	1369	1369
encapsulation	organic material	carbon black	1333-86-4	5.883	0.29		2892	
	plastics	epoxy resin	-	111.777	5.50		54955	
	inorganic material	silicondioxide	60676-86-0	470.641	23.14	28.93	231391	289238
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10552	10552
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.461	0.02		226	
	noble metal	silver	7440-22-4	1.152	0.06		566	
	non noble metal	tin	7440-31-5	2.994	0.15	0.23	1472	2264
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.98	29.02	289811	290188
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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