



Material Content Data Sheet



Sales Product Name		IPP80R1K2P7		Issued		20. July 2018		
MA#		MA001651798						
Package		PG-TO220-3-123		Weight*		2024.68 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	1.552	0.08	0.08	767	767
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.26	40.31	402698	403222
	non noble metal	aluminium	7429-90-5	0.682	0.03	0.03	337	337
wire	non noble metal	aluminium	7429-90-5	0.682	0.03	0.03	337	337
encapsulation	organic material	carbon black	1333-86-4	2.365	0.12		1168	
	plastics	epoxy resin	-	68.597	3.39		33880	
	inorganic material	silicondioxide	60676-86-0	520.389	25.70	29.21	257023	292071
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10600	10600
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871
solder	non noble metal	antimony	7440-36-0	0.124	0.01		61	
	noble metal	silver	7440-22-4	0.310	0.02		153	
	non noble metal	tin	7440-31-5	0.806	0.04	0.07	398	612
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		292	
	non noble metal	copper	7440-50-8	589.466	29.11	29.15	291141	291520
*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