



Material Content Data Sheet



Sales Product Name				IPP80R450P7		Issued		20. July 2018	
MA#				MA001469274					
Package				PG-TO220-3-123		Weight*		2025.97 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	3.428	0.17	0.17	1692	1692	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.22	40.27	402442	402966	
wire	non noble metal	aluminium	7429-90-5	2.593	0.13	0.13	1280	1280	
encapsulation	organic material	carbon black	1333-86-4	2.352	0.12		1161		
	plastics	epoxy resin	-	68.199	3.37		33662		
	inorganic material	silicondioxide	60676-86-0	517.371	25.54	29.03	255370	290193	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10594	10594	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871	
solder	non noble metal	antimony	7440-36-0	0.217	0.01		107		
	noble metal	silver	7440-22-4	0.542	0.03		268		
	non noble metal	tin	7440-31-5	1.410	0.07	0.11	696	1071	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.10	29.14	290955	291333	
*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.
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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

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