



Material Content Data Sheet



Sales Product Name		IPP60R280P7		Issued		23. January 2018		
MA#		MA001994424						
Package		PG-TO220-3-123		Weight*		2025.52 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	3.030	0.15	0.15	1496	1496
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	402531	403055
	non noble metal	aluminium	7429-90-5	0.676	0.03	0.03	334	334
wire	non noble metal	aluminium	7429-90-5	0.676	0.03	0.03	334	334
encapsulation	organic material	carbon black	1333-86-4	2.360	0.12		1165	
	plastics	epoxy resin	-	68.436	3.38		33787	
	inorganic material	silicondioxide	60676-86-0	519.171	25.63	29.13	256315	291267
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10596	10596
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871
solder	non noble metal	antimony	7440-36-0	0.199	0.01		98	
	noble metal	silver	7440-22-4	0.498	0.02		246	
	non noble metal	tin	7440-31-5	1.296	0.06	0.09	640	984
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.10	29.14	291019	291397
*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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