



Material Content Data Sheet



Sales Product Name				IPP60R190E6		Issued		20. July 2018	
MA#				MA001688052					
Package				PG-TO220-3-1		Weight*		2033.14 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	8.148	0.40	0.40	4007	4007	
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	iron	7439-89-6	0.816	0.04		402		
	non noble metal	copper	7440-50-8	815.335	40.09	40.14	401023	401545	
	non noble metal	aluminium	7429-90-5	2.546	0.13	0.13	1252	1252	
wire	non noble metal	aluminium	7429-90-5	2.546	0.13	0.13	1252	1252	
encapsulation	organic material	carbon black	1333-86-4	5.902	0.29		2903		
	plastics	epoxy resin	-	112.129	5.52		55151		
	inorganic material	silicondioxide	60676-86-0	472.124	23.22	29.03	232215	290269	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10556	10556	
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	0.395	0.02		194		
	noble metal	silver	7440-22-4	0.987	0.05		486		
	non noble metal	tin	7440-31-5	2.567	0.13	0.20	1263	1943	
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	28.99	29.03	289930	290307	
*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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