



Material Content Data Sheet



Sales Product Name				IPP60R090CFD7		Issued		1. August 2018	
MA#				MA001847960					
Package				PG-TO220-3-1		Weight*		2033.25 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	7.589	0.37	0.37	3732	3732	
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	40.10	40.15	400999	401521	
	non noble metal	aluminium	7429-90-5	5.749	0.28	0.28	2828	2828	
wire	non noble metal	aluminium	7429-90-5	5.749	0.28	0.28	2828	2828	
encapsulation	organic material	carbon black	1333-86-4	5.878	0.29		2891		
	plastics	epoxy resin	-	111.688	5.49		54931		
	inorganic material	silicondioxide	60676-86-0	470.265	23.13	28.91	231287	289109	
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	0.375	0.02		184		
	noble metal	silver	7440-22-4	0.937	0.05		461		
	non noble metal	tin	7440-31-5	2.435	0.12	0.19	1198	1843	
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	289913	290290	
*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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