



Material Content Data Sheet



Sales Product Name		IPI90R1K2C3		Issued		27. September 2017		
MA#		MA001135346						
Package		PG-TO262-3-22		Weight*		1563.97 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	4.798	0.31	0.31	3068	3068
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		544	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	copper	7440-50-8	849.682	54.32	54.39	543287	543994
wire	non noble metal	aluminium	7429-90-5	0.687	0.04	0.04	439	439
encapsulation	organic material	carbon black	1333-86-4	2.327	0.15		1488	
	plastics	epoxy resin	-	67.473	4.31		43142	
	inorganic material	silicondioxide	60676-86-0	511.863	32.73	37.19	327285	371915
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9717	9717
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1056	1056
solder	noble metal	silver	7440-22-4	0.708	0.05		453	
	non noble metal	antimony	7440-36-0	0.283	0.02		181	
	non noble metal	tin	7440-31-5	1.842	0.12	0.19	1178	1812
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		68	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	copper	7440-50-8	106.210	6.79	6.80	67911	67999
*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

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