



Material Content Data Sheet



Sales Product Name		IPC90N04S5L-3R3		Issued		23. January 2018		
MA#		MA001491554						
Package		PG-TDSON-8-33		Weight*		111.37 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	0.443	0.40	0.40	3974	3974
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		143	
	non noble metal	iron	7439-89-6	0.053	0.05		478	
wire	non noble metal	copper	7440-50-8	53.151	47.73	47.79	477248	477869
	noble metal	gold	7440-57-5	0.046	0.04	0.04	416	416
encapsulation	organic material	carbon black	1333-86-4	0.077	0.07		689	
	plastics	epoxy resin	-	6.062	5.44		54431	
leadfinish	inorganic material	silicondioxide	60676-86-0	32.228	28.94	34.45	289377	344497
	non noble metal	tin	7440-31-5	1.574	1.41	1.41	14131	14131
plating	noble metal	silver	7440-22-4	0.209	0.19	0.19	1879	1879
solder	non noble metal	tin	7440-31-5	0.013	0.01		119	
	noble metal	silver	7440-22-4	0.017	0.01		149	
heat sink CLIP	non noble metal	lead	7439-92-1	0.632	0.57	0.59	5674	5942
	inorganic material	phosphorus	7723-14-0	0.005	0.00		45	
	non noble metal	iron	7439-89-6	0.017	0.02		151	
*deviation	< 10%			16.828	15.11	15.13	151096	151292
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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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