



## Material Content Data Sheet



<b>Sales Product Name</b>		IPN50R650CE		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001500042						
<b>Package</b>		PG-SOT223-3-1		<b>Weight*</b>		117.19 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	2.436	2.08	2.08	20787	20787
leadframe	non noble metal	iron	7439-89-6	0.052	0.04		447	
	inorganic material	phosphorus	7723-14-0	0.016	0.01		134	
	non noble metal	copper	7440-50-8	52.304	44.65	44.70	446314	446895
wire	non noble metal	copper	7440-50-8	0.216	0.18	0.18	1841	1841
encapsulation	organic material	carbon black	1333-86-4	0.174	0.15		1488	
	plastics	epoxy resin	-	6.802	5.80		58039	
	inorganic material	silicondioxide	60676-86-0	51.157	43.65	49.60	436530	496057
leadfinish	non noble metal	tin	7440-31-5	1.352	1.15	1.15	11538	11538
plating	noble metal	silver	7440-22-4	0.220	0.19	0.19	1882	1882
solder	noble metal	silver	7440-22-4	0.062	0.05		525	
	non noble metal	tin	7440-31-5	0.049	0.04		420	
	non noble metal	lead	7439-92-1	2.350	2.01	2.10	20055	21000
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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