



Material Content Data Sheet



Sales Product Name		IPN50R650CE		Issued		19. January 2018			
MA#		MA001637198							
Package		PG-SOT223-3-1		Weight*		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	44.64	44.69	446327	446908	
wire	non noble metal	copper	7440-50-8	0.211	0.18	0.18	1805	1805	
encapsulation	organic material	carbon black	1333-86-4	0.174	0.15		1488		
	plastics	epoxy resin	-	6.802	5.80		58041		
	inorganic material	silicondioxide	60676-86-0	51.158	43.66	49.61	436550	496079	
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	20056	21001	
*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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