



Material Content Data Sheet



Sales Product Name		BTS441RG		Issued		20. July 2018		
MA#		MA000919976						
Package		PG-TO263-5-2		Weight*		1548.30 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	8.276	0.53	0.53	5345	5345
leadframe	non noble metal	iron	7439-89-6	0.790	0.05		510	
	inorganic material	phosphorus	7723-14-0	0.237	0.02		153	
	non noble metal	copper	7440-50-8	788.527	50.93	51.00	509288	509951
wire	non noble metal	aluminium	7429-90-5	3.394	0.22	0.22	2192	2192
encapsulation	organic material	carbon black	1333-86-4	1.239	0.08		800	
	plastics	epoxy resin	-	57.000	3.68		36815	
	inorganic material	silicondioxide	60676-86-0	561.329	36.25	40.01	362546	400161
leadfinish	non noble metal	tin	7440-31-5	10.339	0.67	0.67	6678	6678
plating	inorganic material	phosphorus	7723-14-0	0.008	0.00		5	
	non noble metal	nickel	7440-02-0	3.422	0.22	0.22	2210	2215
solder	noble metal	silver	7440-22-4	0.141	0.01		91	
	non noble metal	tin	7440-31-5	0.113	0.01		73	
	non noble metal	lead	7439-92-1	5.398	0.35	0.37	3486	3650
heatspreader	non noble metal	iron	7439-89-6	0.108	0.01		70	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		21	
	non noble metal	copper	7440-50-8	107.943	6.97	6.98	69717	69808
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com