



Material Content Data Sheet



Sales Product Name		SPP15N60C3		Issued		27. September 2017		
MA#		MA001056024						
Package		PG-TO220-3-123		Weight*		2031.62 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	9.195	0.45	0.45	4526	4526
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401322	401845
wire	non noble metal	aluminium	7429-90-5	26.395	1.30	1.30	12992	12992
encapsulation	organic material	carbon black	1333-86-4	2.247	0.11		1106	
	plastics	epoxy resin	-	65.175	3.21		32080	
	inorganic material	silicondioxide	60676-86-0	494.432	24.34	27.66	243368	276554
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10564	10564
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.432	0.02		213	
	noble metal	silver	7440-22-4	1.081	0.05		532	
	non noble metal	tin	7440-31-5	2.811	0.14	0.21	1383	2128
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290145	290523
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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

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