



Material Content Data Sheet



Sales Product Name		IPI60R280C6		Issued		24. January 2018		
MA#		MA001698534						
Package		PG-TO262-3-22		Weight*		1564.59 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	5.826	0.37	0.37	3724	3724
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		544	
	non noble metal	copper	7440-50-8	849.682	54.30	54.37	543073	543780
	non noble metal	aluminium	7429-90-5	2.609	0.17	0.17	1667	1667
wire	non noble metal	aluminium	7429-90-5	2.609	0.17	0.17	1667	1667
encapsulation	organic material	carbon black	1333-86-4	2.316	0.15		1480	
	plastics	epoxy resin	-	67.169	4.29		42931	
	inorganic material	silicondioxide	60676-86-0	509.561	32.57	37.01	325684	370095
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9714	9714
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1055	1055
solder	non noble metal	antimony	7440-36-0	0.312	0.02		199	
	noble metal	silver	7440-22-4	0.780	0.05		498	
	non noble metal	tin	7440-31-5	2.028	0.13	0.20	1296	1993
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.79	6.80	67884	67972
*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 does not use any exemption

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