



Material Content Data Sheet



Sales Product Name				IPI60R280C6		Issued		20. July 2018	
MA#				MA001711062					
Package				PG-TO262-3-1		Weight*		1569.57 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	3712	3712	
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163		
	non noble metal	iron	7439-89-6	0.851	0.05		542		
	non noble metal	copper	7440-50-8	849.682	54.13	54.20	541346	542051	
	non noble metal	aluminium	7429-90-5	2.666	0.17	0.17	1698	1698	
wire	non noble metal	aluminium	7429-90-5	2.666	0.17	0.17	1698	1698	
encapsulation	organic material	carbon black	1333-86-4	5.854	0.37		3730		
	plastics	epoxy resin	-	111.226	7.09		70864		
	inorganic material	silicondioxide	60676-86-0	468.320	29.84	37.30	298374	372968	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9683	9683	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147	
solder	non noble metal	antimony	7440-36-0	0.312	0.02		199		
	noble metal	silver	7440-22-4	0.779	0.05		496		
	non noble metal	tin	7440-31-5	2.025	0.13	0.20	1290	1985	
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	6.77	6.78	67668	67756	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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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