



Material Content Data Sheet



Halogen-Free

Sales Product Name	IP160R190C6	Issued	14. April 2021
MA#	MA005402965		
Package	PG-TO262-3-22	Weight*	1575.33 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	8.148	0.52	0.52	5172	5172
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		540	
	non noble metal	copper	7440-50-8	849.682	53.93	54.00	539367	540069
wire	non noble metal	aluminium	7429-90-5	3.061	0.19	0.19	1943	1943
encapsulation	organic material	carbon black	1333-86-4	2.931	0.19		1861	
	miscellaneous	miscellaneous	-	2.931	0.19		1861	
	organic material	phenol formaldehyde resin	9003-35-4	35.172	2.23		22326	
	inorganic material	silicondioxide	14808-60-7	46.895	2.98		29768	
	non noble metal	metal hydroxide	-	46.895	2.98		29768	
	plastics	epoxy resin	29690-82-2	70.343	4.47		44653	
	inorganic material	silicondioxide	60676-86-0	381.025	24.19	37.23	241868	372105
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9647	9647
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1048	1048
solder	non noble metal	antimony	7440-36-0	0.395	0.03		251	
	noble metal	silver	7440-22-4	0.987	0.06		627	
	non noble metal	tin	7440-31-5	2.567	0.16	0.25	1630	2508
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.74	6.75	67420	67508
*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 Neubiberg
Internet	www.infineon.com