



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA060N06NM5S	<b>Issued</b>	13. May 2021
<b>MA#</b>	MA002224356		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2055.80 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	1.049	0.05	0.05	510	510
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		461	
	non noble metal	copper	7440-50-8	947.445	46.08	46.14	460864	461463
wire	non noble metal	aluminium	7429-90-5	4.265	0.21	0.21	2075	2075
encapsulation	organic material	carbon black	1333-86-4	10.888	0.53		5296	
	plastics	epoxy resin	-	174.515	8.49		84889	
	inorganic material	silicondioxide	60676-86-0	904.507	44.00	53.02	439978	530163
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5397	5397
solder	non noble metal	antimony	7440-36-0	0.081			39	
	noble metal	silver	7440-22-4	0.201	0.01		98	
	non noble metal	tin	7440-31-5	0.524	0.03	0.04	255	392
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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