



Material Content Data Sheet



Halogen-Free

Sales Product Name	IRF300P227	Issued	21. July 2021
MA#	MA005539738		
Package	PG-TO247-3-901	Weight*	5736.83 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	17.562	0.31	0.31	3061	3061
leadframe	inorganic material	phosphorus	7723-14-0	1.131	0.02		197	
	non noble metal	iron	7439-89-6	3.771	0.07		657	
	non noble metal	copper	7440-50-8	3,765.728	65.64	65.73	656413	657267
wire	non noble metal	aluminium	7429-90-5	16.005	0.28	0.28	2790	2790
encapsulation	organic material	carbon black	1333-86-4	9.542	0.17		1663	
	plastics	epoxy resin	-	381.677	6.65		66531	
	inorganic material	silicondioxide	60676-86-0	1,517.165	26.45	33.27	264461	332655
leadfinish	non noble metal	tin	7440-31-5	13.948	0.24	0.24	2431	2431
solder	non noble metal	tin	7440-31-5	0.206			36	
	noble metal	silver	7440-22-4	0.258			45	
	non noble metal	lead	7439-92-1	9.839	0.17	0.17	1715	1796
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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