



Material Content Data Sheet



Sales Product Name		IGOT40R070D1 E8220		Issued		9. January 2019			
MA#		MA001956318							
Package		PG-DSO-20-87		Weight*		2090.98 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	6.194	0.30	0.30	2962	2962	
leadframe	inorganic material	phosphorus	7723-14-0	0.394	0.02		188		
	non noble metal	iron	7439-89-6	1.312	0.06		628		
	non noble metal	copper	7440-50-8	1310.651	62.68	62.76	626813	627629	
	noble metal	gold	7440-57-5	5.140	0.25	0.25	2458	2458	
encapsulation	organic material	carbon black	1333-86-4	1.500	0.07		718		
	plastics	epoxy resin	-	69.018	3.30		33008		
	inorganic material	silicondioxide	60676-86-0	679.681	32.51	35.88	325054	358780	
leadfinish	non noble metal	tin	7440-31-5	11.123	0.53	0.53	5320	5320	
plating	noble metal	silver	7440-22-4	0.785	0.04	0.04	375	375	
solder	non noble metal	tin	7440-31-5	0.052	0.00		25		
	noble metal	silver	7440-22-4	0.078	0.00		37		
	non noble metal	lead	7439-92-1	5.047	0.24	0.24	2414	2476	
*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.

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