

Product Document

Material Declaration Form

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ams AG
Tobelbader Strasse 30
A-8141 Premstaetten, Austria
Tel +43 (0) 3136 500-0



Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS5247-HMFM	punched MLF 40ld	193570025	40	131.46	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	71.01	Ag	Silver	0.30	7440-22-4	0.21303	0.16205	1621
		Cu	Copper	97.25	7440-50-8	69.05723	52.53138	525314
		Fe	Iron	2.30	7439-89-6	1.63323	1.24239	12424
		Zn	Zinc	0.15	7440-66-6	0.10652	0.08103	810
		Subtotal:			100.00		71.01000	54.01684
Adhesive Bottom IC	1.08	Ag	Silver	84.00	7440-22-4	0.91056	0.69266	6927
			Epoxy Resin	16.00	25928-94-3	0.17344	0.13193	1319
		Subtotal:		100.00		1.08400	0.82459	8246
IC Bottom	2.81	Si	Silicon	95.00	7440-21-3	2.67140	2.03212	20321
			Polyimide	5.00	58698-66-1	0.14060	0.10695	1070
		Subtotal:		100.00		2.81200	2.13907	21391
Adhesive Spacer	0.31	SiO2	Silica Fused	34.00	60676-86-0	0.10676	0.08121	812
			Epoxy Resin	66.00	25928-94-3	0.20724	0.15765	1576
		Subtotal:		100.00		0.31400	0.23886	2389
Spacer	1.45	Si	Silicon	100.00	7440-21-3	1.45300	1.10529	11053
Subtotal:			100.00		1.45300	1.10529	11053	
Adhesive Top IC	0.31	SiO2	Silica Fused	34.00	60676-86-0	0.10676	0.08121	812
			Epoxy Resin	66.00	25928-94-3	0.20724	0.15765	1576
		Subtotal:		100.00		0.31400	0.23886	2389

The information provided in this statement represents ams AG knowledge and belief as of the date that it is provided. ams AG bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. ams AG has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. ams AG and its suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC Top	2.81	Si	Silicon	95.00	7440-21-3	2.67140	2.03212	20321
			Polyimide	5.00	58698-66-1	0.14060	0.10695	1070
			Subtotal:	100.00		2.81200	2.13907	21391
Wire	1.11	Au	Gold	99.00	7440-57-5	1.09890	0.83593	8359
			Pd	1.00	7440-05-3	0.01110	0.00844	84
			Subtotal:	100.00		1.11000	0.84437	8444
Moldcompound	48.1	SiO2	Silica Fused	85.00	60676-86-0	40.88500	31.10095	311010
			Carbon Black	0.30	1333-86-4	0.14430	0.10977	1098
			Epoxy Resin	9.00	25928-94-3	4.32900	3.29304	32930
			Phenol Resin	5.70	28064-14-4	2.74170	2.08559	20856
			Subtotal:	100.00		48.10000	36.58935	365894
Plating	2.45	Sn	Tin	100.00	7440-31-5	2.45000	1.86370	18637
			Subtotal:	100.00		2.45000	1.86370	18637
Total:	131.46					131.46	100.00000	1000000

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