

# 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
TSL25403M	OQFN 2x2x0.5mm	503020050	10	5.33	Thailand	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	3.02	Ag	Silver	0.02	7440-22-4	0.00060	0.01131	113
		Au	Gold	0.03	7440-57-5	0.00090	0.01696	170
		Cu	Copper	96.20	7440-50-8	2.90091	54.39446	543945
		Fe	Iron	2.30	7439-89-6	0.06936	1.30049	13005
		Ni	Nickel	1.30	7440-02-0	0.03920	0.73506	7351
		Pd	Palladium	0.05	7440-05-3	0.00151	0.02827	283
		Zn	Zinc	0.10	7440-66-6	0.00302	0.05654	565
<b>Subtotal:</b>				<b>100.00</b>		<b>3.01550</b>	<b>56.54310</b>	<b>565431</b>
Adhesive	0.02	Al2O3	Aluminum Oxide	53.00	1344-28-1	0.00901	0.16894	1689
		SiO2	Silica Fused	8.00	60676-86-0	0.00136	0.02550	255
			Epoxy Resin	31.00	25928-94-3	0.00527	0.09882	988
			Hardener	8.00	620-92-8	0.00136	0.02550	255
<b>Subtotal:</b>				<b>100.00</b>		<b>0.01700</b>	<b>0.31876</b>	<b>3188</b>
IC	0.34	Si	Silicon	100.00	7440-21-3	0.33900	6.35653	63565
<b>Subtotal:</b>				<b>100.00</b>		<b>0.33900</b>	<b>6.35653</b>	<b>63565</b>
Wire	0.1	Au	Gold	100.00	7440-57-5	0.10120	1.89758	18976
<b>Subtotal:</b>				<b>100.00</b>		<b>0.10120</b>	<b>1.89758</b>	<b>18976</b>
Moldcompound	1.86		2,6-Ditert.butyl-4-Methyl	1.00	128-37-0	0.01860	0.34884	3488
			Epoxy Resin	99.00	25068-38-6	1.84180	34.53519	345352
<b>Subtotal:</b>				<b>100.00</b>		<b>1.86040</b>	<b>34.88403</b>	<b>348840</b>

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
<b>Total:</b>	<b>5.33</b>					<b>5.33</b>	<b>100.00000</b>	<b>1000000</b>

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