



Manufacturer Information

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Authorised Representative

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Product Information

Product:	IQS127D TSP
Package type:	TSOT23/6LD
Manufacturing site:	Anst
Weight:	15.22
Unit:	mg

Manufacturing Process Information

Terminal Plating:	Refer to table below
J-STD MSL Rating:	1
Peak Process Body Temp:	260 °C
Max Time at Peak Temp:	25 sec
Number of Reflow:	3

Note: 'z' in the product description refers to a user configuration option with value in the range 0 to F (hexadecimal)

RoHS Declaration

Azoteq hereby declares that the product listed above does not contain substances listed by the European Directive 2011/65/EU in concentrations above the specified limits of homogeneous materials used by the product.

Note: RoHS Directive 2011/65/EU of the European Parliament quantity limit of 0.1% by mass(1000 PPM) in homogeneous material for Lead(PB), Mercury, Hexavalent Chromium, Polybrominated Biphenyls(PBB), Polybrominated Diphenyl Ethers(PBDE) and quantity limit of 0.01% by mass(100 PPM) of homogeneous material of Cadmium applies to this declaration.



Uncertainty Statement:

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The full materials composition information follows:

Homogenous material composition for part: IQS127D TSP based on package: TSOT23/6LD with Die: W127																	
Composition Part	Material name	Material (weight)	Material % (weight)	Element name composition	CAS No.	Element % (weight)	Element (weight)	Cd (ppm)	Pb (ppm)	Hg(ppm)	Cr+6(ppm)	PBBs	PBDEs	Cl	Br	EU ROHS Exempt	
Bond Wire	25u	0.61	3.98%	Au	0.9999	99.99%	0.6059	ND	ND	ND	Negative	ND	ND	-	-	No	
				Other	0.0001	0.01%	0.0001										
Die Attach	8290	0.17	1.10%	Amine	0.048109966	4.81%	0.0080	ND	ND	ND	ND	ND	ND	-	-	No	
				Epoxy Resin	0.171821306	17.18%	0.0287										
				Gamma Butyrolactone	0.048109966	4.81%	0.0080										
				Metal Oxide		4.81%	0.0080										
				Silver	0.683848797	68.38%	0.1142										
Encapsulation	EME G600	6.43	42.27%	Carbon Black	0.005	0.50%	0.0322	ND	ND	ND	ND	ND	ND	-	-	No	
				Epoxy Resin	0.05	5.00%	0.3216										
				Phenol Resin		5.00%	0.3216										
				Silica(Amorphous)	0.895	89.50%	5.7566										
Lead Frame	C9-SSM 41x72	6.55	43.03%	Ag	0.04499496	4.50%	0.2946	ND	ND	ND	Negative	ND	ND	ND	ND	No	
				Cu	0.926909918	92.69%	6.0694										
				Fe	0.025002291	2.50%	0.1637										
				P	0.001496777	0.15%	0.0098										
				Pb	9.9276E-05	0.01%	0.0007										

RoHS Material Composition Declaration



				Zn	0.001496777	0.15%	0.0098									
Die	W127	1.27	8.31%	Si Die	1	100.00%	1.2650	ND	ND	ND	ND	ND	ND	ND	ND	No
Plating	Sn	0.20	1.31%	Sn	0.9999	99.99%	0.1990	ND	22	ND	Negative	ND	ND	-	-	No
				Other	0.0001	0.01%	0.0000									

Note: Where the product is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has
Note: This declaration is made based on the material composition information of the product as indicated above and from information obtained

Signed: Anton Walles:
Position: Senior Logistics Engineer



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