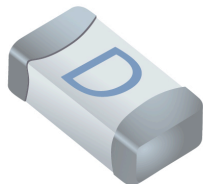


# MATERIAL DECLARATION SHEET



Material Number	<b>SF-0603FPxxxM</b>			
Product Line	<b>Lead Free Multilayer Solid Matrix Chip Fuse</b>			
Compliance Date	<b>09/25/2017</b>			
RoHS Compliant	<b>YES</b>	MSL	<b>1</b>	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic Body	Glass Ceramic	1.586	Boron	7440-42-8	7.39%	6.1828%	83.665%
				Carbon	7440-44-0	2.11%	1.7653%	
				Aluminum	7429-90-5	18.65%	15.6035%	
				Silicon	7440-21-3	15.24%	12.7505%	
				Potassium	7440-09-7	0.53%	0.4434%	
				Oxygen	7782-44-7	56.08%	46.9193%	
2	Termination	Silver with Glass	0.19198	Silver	7440-22-4	92.25%	9.3422%	10.127%
				Oxygen	7782-44-7	2.23%	0.2258%	
				Zinc	7440-66-6	1.64%	0.1661%	
				Silicon	7440-21-3	0.10%	0.0101%	
				Bismuth	7440-69-9	3.78%	0.3828%	
3	Fuse Link	Silver	0.00938	Silver	7440-22-4	100%	0.495%	0.495%
4	Plating	Nickel	0.105	Nickel	7440-02-0	100.00%	2.4925%	5.539%
		Tin		Tin	7440-31-5	100.00%	3.0465%	
5	Blue Mark	Composite	0.00188	Oxygen	7782-44-7	55.15%	0.0546%	0.099%
				Sodium	7440-23-5	1.16%	0.0012%	
				Aluminum	7429-90-5	10.43%	0.0103%	
				Silicon	7440-21-3	22.57%	0.0223%	
				Potassium	7440-09-7	1.42%	0.0014%	
				Cobalt	7440-48-4	5.91%	0.0059%	
				Zirconium	7440-67-7	3.36%	0.0033%	

# MATERIAL DECLARATION SHEET



6	Masking Layer	Glass Ceramic	0.00141	Boron	7440-42-8	9.83%	0.0074%	0.075%
				Carbon	7440-44-0	1.81%	0.0014%	
				Aluminum	7429-90-5	16.85%	0.0126%	
				Silicon	7440-21-3	15.58%	0.0117%	
				Potassium	7440-09-7	0.53%	0.0004%	
				Oxygen	7782-44-7	55.40%	0.0415%	
				Total weight	1.89565			

**This Document was updated on:** 9-25-2017

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.