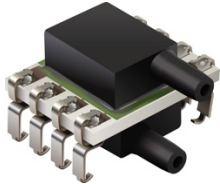


MATERIAL DECLARATION SHEET



Material Number	BPS150 Series, 100 PSIA Pressure Sensor			
Product Line	Sensors			
Compliance Date	October 17, 2019			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic substrate C	Alumina	0.637	Aluminum oxide	1344-28-1	96	40.368	42.05
				Silicon dioxide	7631-86-9	0.33	0.1388	
				Magnesium oxide	1309-48-4	0.26	0.1093	
				Gold	7440-57-5	1	0.4205	
				Manganese dioxide	1313-13-9	0.03	0.0126	
				Silver	7440-22-4	2.351	0.9886	
				Copper oxide	1317-38-0	0.0095	0.0040	
				Lead	7439-92-1	0.01	0.0042	
				Zinc oxide	1314-13-2	0.0095	0.0040	
2	ASIC Die 3	Silicon	0.01	Silicon	7440-21-3	93.9663	0.620178	0.66
				Aluminum	7429-90-5	0.565	0.003729	
				Polyimide	60842-76-4	1.009	0.006659	
				Silicon dioxide	7631-86-9	3.6323	0.023973	
				Trisilicon-tetranitride	12033-89-5	0.3632	0.002397	
				Titanium	7440-32-6	0.1615	0.001066	
3	Silicone	Silicone gel	0.023	2-Hydroxy-2-methyl-propiophenone	7473-98-5	1.3	0.01976	1.52
				Silicone resin	--	98.7	1.50024	

MATERIAL DECLARATION



4	Plastic cover	PPS	0.136	Poly(1,4-Phenylene sulfide)	26125-40-6	60	5.382	8.97
				Glass fiber	65997-17-3	40	3.588	
5	Pin	Copper alloy	0.1	Tin	7440-31-5	6	0.396	6.60
				Copper	7440-50-8	94	6.204	
6	MEMS Die A	Die	0.034	Silicon	7440-21-3	41.61	0.932064	2.24
				Aluminum	7429-90-5	0.05	0.00112	
				Glass Fiber	65997-17-3	58.34	1.306816	
7	Solder	Solder	0.008	Tin	7440-31-5	96.15	0.509595	0.53
				Silver	7440-22-4	3.31	0.017543	
				Copper	7440-50-8	0.54	0.002862	
8	Ceramic button	Alumina	0.567	Aluminum oxide	1344-28-1	99	37.0557	37.43
				Silicon dioxide	14808-60-7	0.5	0.18715	
				Magnesium oxide	1309-48-4	0.5	0.18715	
		Total weight	1.515					

This Document was updated on: October 17, 2019

Important remarks:

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