

## pSEMI MATERIAL DECLARATION FORM

<b>Product:</b>	PE4251
<b>Ordering Codes:</b>	PE4251MLI, PE4251MLI-Z
<b>Description:</b>	SPDT UltraCMOS™ RF Switch, 10 – 4000 MHz, Absorptive
<b>Package:</b>	8L MSOP
<b>Environmental Compliance</b>	EU RoHS Directive 2002/95/EC, REACH - EU ECHA SVHC, Arsenic Free, JIG 101 - EIA/EICTA/JEITA, Halogen Free - IEC61249-2-21, PFOS Free - 2006/122/EC, Antimony Trioxide Free
<b>Lead Finish</b>	100% Matte Tin
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Sapphire (Al2O3)	1344-28-1	0.685690	2.71%	27,129.44
Die	Silicon (Si)	7440-21-3	0.000228	0.00%	9.00
Die	Arsenic (As)	7440-38-2	0.000001	0.00%	0.04
Die	Boron (B)	7440-42-8	0.000000	0.00%	0.01
Die	Phosphorous (P)	7723-14-0	0.000077	0.00%	3.03
Die	Titanium (Ti)	7440-32-6	0.000026	0.00%	1.04
Die	Tungsten (W)	7440-33-7	0.000002	0.00%	0.08
Die	Copper (Cu)	7440-50-8	0.000004	0.00%	0.14
Die	Aluminum (Al)	7429-90-5	0.001142	0.00%	45.17
Die	Cobalt (Co)	7440-48-4	0.000000	0.00%	0.00
LeadFrame	Copper (Cu)	7440-50-8	9.430300	37.31%	373,111.22
LeadFrame	Nickel (Ni)	7440-02-0	0.294100	1.16%	11,636.11
LeadFrame	Silicon (Si)	7440-21-3	0.063700	0.25%	2,520.30
LeadFrame	Magnesium (Mg)	7439-95-4	0.014700	0.06%	581.61
LeadFrame	Silver (Ag)	7440-22-4	0.185700	0.73%	7,347.25
Die Attach	Silver (Ag)	7440-22-4	0.278900	1.10%	11,034.72
Die Attach	Epichlorohydrin-formaldehyde-phen	9003-36-5	0.018600	0.07%	735.91
Die Attach	Epoxy Resin	68475-94-5	0.018600	0.07%	735.91
Die Attach	Lactone	96-48-0	0.018600	0.07%	735.91
Die Attach	Polyoxypropylenediamine	9046-10-0	0.018600	0.07%	735.91
Die Attach	2,6-Diglycidyl phenyl allyl ether olig	Proprietary	0.018600	0.07%	735.91
Gold Wire	Gold (Au)	7440-57-5	0.078000	0.31%	3,086.08
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.926600	3.67%	36,661.07
Mold Compound	Silica Fused	60676-86-0	11.463900	45.36%	453,570.91
Mold Compound	Epoxy Resin	Trade secret	0.793400	3.14%	31,390.99
Mold Compound	Epoxy, Cresol Novolac	29690-82-2	0.264500	1.05%	10,464.98
Mold Compound	Phenol Resin	Trade secret	0.661100	2.62%	26,156.52
Mold Compound	Carbon Black	1333-86-4	0.039700	0.16%	1,570.74
<b>Total Weight (mg)</b>			<b>25.274769</b>	100.00%	1,000,000

