

pSEMI MATERIAL DECLARATION FORM

Product:	PE42545
Ordering Codes:	PE42545A-Z
Description:	UltraCMOS® SP4T RF Switch, 9 kHz–67 GHz
Package:	Flip Chip
Environmental Compliance	EU RoHS Directive 2011/65/EC and amendment 2015/863, REACH - EU ECHA SVHC, Arsenic Free , JIG 101 - EIA/EICTA/JEITA, Halogen Free - IEC61249-2-21, PFOS Free - 2006/122/EC, Antimony Trioxide Free
Lead Finish	Solder Bump
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Silicon	7440-21-3	4.106252	98.45%	984,509.21
Die	Phosphorus	7723-14-0	0.000021	0.00%	4.95
Die	Boron	7440-42-8	0.000021	0.00%	4.95
Die	Arsenic	7440-38-2	0.000021	0.00%	4.95
Die	Germanium	7440-56-4	0.000021	0.00%	4.95
Die	Indium	7440-74-6	0.000021	0.00%	4.95
Die	Cobalt	7440-48-4	0.000021	0.00%	4.95
Die	Tungsten	7440-33-7	0.000773	0.02%	185.26
Die	Copper	7440-50-8	0.023433	0.56%	5,618.33
Die	Tantalum	7440-25-7	0.001112	0.03%	266.50
Die	Aluminum	7429-90-5	0.000430	0.01%	103.03
Polyimide	Proprietary polymer	-	0.000019	0.00%	4.66
Sputter	Titanium	7440-32-6	0.000141	0.00%	33.91
Sputter	Tungsten	7440-33-7	0.000141	0.00%	33.91
Sputter	Copper	7440-50-8	0.000283	0.01%	67.82
Sputter	Nickel	7440-02-0	0.002970	0.07%	712.08
UBM	Copper	7440-50-8	0.002640	0.06%	632.96
Solder Bump	Tin	7440-31-5	0.031958	0.77%	7,662.15
Solder Bump	Silver	7440-22-4	0.000586	0.01%	140.45
Total Weight (mg)			4.170862	100.00%	1,000,000