

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42440
Ordering Codes:	PE42440MLBB-Z
Description:	SP4T UltraCMOS RF Switch 50 - 3000 MHz
Package:	16L 3X3 QFN
Environmental Compliance	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
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire (Al ₂ O ₃)	1344-28-1	0.895339	4.54%	45,387
	Silicon (Si)	7440-21-3	0.000297	0.00%	15
	Arsenic (As)	7440-38-2	0.000001	0.00%	0
	Boron (B)	7440-42-8	0.000000	0.00%	0
	Phosphorous (P)	7723-14-0	0.000100	0.00%	5
	Titanium (Ti)	7440-32-6	0.000034	0.00%	2
	Tungsten (W)	7440-33-7	0.000003	0.00%	0
	Copper (Cu)	7440-50-8	0.000005	0.00%	0
	Aluminum (Al)	7429-90-5	0.001491	0.01%	76
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	6.670100	33.81%	338,124
	Iron (Fe)	7439-89-6	0.160800	0.82%	8,151
	Zinc (Zn)	7440-66-6	0.008200	0.04%	416
	Phosphorus (P)	7723-14-0	0.002100	0.01%	106
	Silver (Ag)	7440-22-4	0.161300	0.82%	8,177
Die Attach	Silver (Ag)	7440-22-4	0.071900	0.36%	3,645
	Epoxy Resin	9003-36-5	0.018000	0.09%	912
	t-Butyl phenyl glycidyl ether	3101-60-8	0.007500	0.04%	380
	Phenolic harder	92-88-6	0.001500	0.01%	76
	Butyl cellosolve acetate	112-07-2	0.001000	0.01%	51
Gold Wire	Gold (Au)	7440-57-5	0.111900	0.57%	5,672
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.151200	0.77%	7,665
Mold Compound	Silica Fused	60676-86-0	10.512400	53.29%	532,900
	Epoxy Resin	Trade secret	0.458600	2.32%	23,248
	Phenol Resin	Trade secret	0.458600	2.32%	23,248
	Carbon Black	1333-86-4	0.034400	0.17%	1,744
Total Weight (mg)			19.726770	100.00%	1,000,000