

PEREGRINE MATERIAL DECLARATION FORM

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|---------------------------------|---|
| Product: | PE4270 |
| Ordering Codes: | 4270-51, 4270-52 |
| Description: | SPST CATV UltraCMOS Switch : 1 - 3000 MHz |
| Package: | 6L DFN |
| 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 | 0.883530 | 4.10% | 40,956 |
| | Silicon (Si) | 7440-21-3 | 0.000293 | 0.00% | 14 |
| | 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 | 0.000099 | 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 | 0.001471 | 0.01% | 68 |
| | Cobalt (Co) | 7440-48-4 | 0.000000 | 0.00% | 0 |
| Package | | | | | |
| Leadframe | Copper (Cu) | 7440-50-8 | 7.795600 | 36.14% | 361,365 |
| | Iron (Fe) | 7439-89-6 | 0.187900 | 0.87% | 8,710 |
| | Zinc (Zn) | 7440-66-6 | 0.009600 | 0.04% | 445 |
| | Phosphorus (P) | 7723-14-0 | 0.002400 | 0.01% | 111 |
| | Silver (Ag) | 7440-22-4 | 0.206400 | 0.96% | 9,568 |
| Die Attach | Silver (Ag) | 7440-22-4 | 0.199900 | 0.93% | 9,266 |
| | Epoxy Resin | 9003-36-5 | 0.050000 | 0.23% | 2,318 |
| | t-Butyl phenyl glycidyl ether | 3101-60-8 | 0.020800 | 0.10% | 964 |
| | Phenolic harder | 92-88-6 | 0.004200 | 0.02% | 195 |
| | Butyl cellosolve acetate | 112-07-2 | 0.002800 | 0.01% | 130 |
| Gold Wire | Gold (Au) | 7440-57-5 | 0.088500 | 0.41% | 4,102 |
| 100% Matte Tin Lead Finish | Tin (Sn) | 7440-31-5 | 0.114900 | 0.53% | 5,326 |
| Mold Compound | Silica Fused | 60676-86-0 | 11.007800 | 51.03% | 510,267 |
| | Epoxy Resin | Trade secret | 0.480200 | 2.23% | 22,260 |
| | Phenol Resin | Trade secret | 0.480200 | 2.23% | 22,260 |
| | Carbon Black | 1333-86-4 | 0.036000 | 0.17% | 1,669 |
| Total Weight (mg) | | | 21.572636 | 100.00% | 1,000,000 |