

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4237
Ordering Codes:	4237-51; 4237-52
Description:	Reflective SPDT RF Switch - 50 Ohm
Package:	6L 3X3 DFN
RoHS Compliant	Yes
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	1.409119	6.89%	68,891
	Silicon	7440-21-3	0.000135	0.00%	7
	Silicon Dioxide	7631-86-9	0.004594	0.02%	225
	Silicon Nitride	12033-89-5	0.002687	0.01%	131
	Tungsten Silicide	12039-88-2	0.000173	0.00%	8
	Titanium	7440-33-6	0.000154	0.00%	8
	Titanium Nitride	25583-20-4	0.000422	0.00%	21
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.002047	0.01%	100
	Arsenic	7440-38-2	0.000001	0.00%	0
	Boron	7440-42-8	0.000105	0.00%	5
	Phosphorous	7723-14-0	0.000095	0.00%	5
Package					
Leadframe	Copper (Cu)	7440-50-8	4.495674	21.98%	219,792
	Silver (Ag)	7440-57-5	0.019118	0.09%	935
	Iron (Fe)	7439-89-6	0.108915	0.53%	5,325
	Zinc (Zn)	7440-66-6	0.005793	0.03%	283
	Phosphorus (P)	7723-14-0	0.003824	0.02%	187
	Lead (Pb)	7439-92-1	0.001390	0.01%	68
Die Attach	Epoxy Resin (5 - 25)	Proprietary	0.264000	1.29%	12,907
	Silver (70 - 85)	7440-22-4	0.033000	0.16%	1,613
	Aromatic Amine (1 - 10)	Proprietary	0.033000	0.16%	1,613
Gold Wire	Au	7440-57-5	0.169983	0.83%	8,310
100% Matte Tin Lead Finish	Sn	7440-31-5	0.300000	1.47%	14,667
Encapsulation G600	Silica Fused	7631-86-9	12.796040	57.38%	573,771
	Epoxy Resin	-	0.690355	3.38%	33,751
	Epoxy, Cresol Novolac	1309-64-4	0.276142	1.35%	13,500
	Carbon Black	1333-86-4	0.207107	1.01%	10,125
	Phenol resin	-	0.690355	3.38%	33,752
Total Weight (mg)			21.514228	100.00%	1,000,000