

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4246
<b>Ordering Codes:</b>	4246-51; 4246-52
<b>Description:</b>	Absorptive SPST RF Switch - 50 Ohm
<b>Package:</b>	6L 3X3 DFN
<b>RoHS Compliant</b>	Yes
<b>Lead Finish</b>	100% Matte Tin
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire:	1344-28-1	1.295251	6.37%	63,674
	Silicon	7440-21-3	0.000150	0.00%	7
	Silicon Dioxide	7631-86-9	0.005176	0.03%	254
	Silicon Nitride	12033-89-5	0.003034	0.01%	149
	Tungsten Silicide	12039-88-2	0.000197	0.00%	10
	Titanium	7440-33-6	0.000190	0.00%	9
	Titanium Nitride	25583-20-4	0.000538	0.00%	26
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.002490	0.01%	122
	Arsenic	7440-38-2	0.000001	0.00%	0
	Boron	7440-42-8	0.000118	0.00%	6
	Phosphorous	7723-14-0	0.000108	0.00%	5
<b>Package</b>					
Leadframe	Copper (Cu)	7440-50-8	4.495674	22.10%	221,005
	Silver (Ag)	7440-57-5	0.019118	0.09%	940
	Iron (Fe)	7439-89-6	0.108915	0.54%	5,354
	Zinc (Zn)	7440-66-6	0.005793	0.03%	285
	Phosphorus (P)	7723-14-0	0.003824	0.02%	188
	Lead (Pb)	7439-92-1	0.001390	0.01%	68
Die Attach	Epoxy Resin (5 - 25)	Proprietary	0.264000	1.30%	12,978
	Silver (70 - 85)	7440-22-4	0.033000	0.16%	1,622
	Aromatic Amine (1 - 10)	Proprietary	0.033000	0.16%	1,622
Gold Wire	Au	7440-57-5	0.169983	0.84%	8,356
100% Matte Tin Lead Finish	Sn	7440-31-5	0.300000	1.47%	14,748
Encapsulation G600	Silica Fused	7631-86-9	11.736040	57.70%	576,940
	Epoxy Resin	-	0.690355	3.39%	33,938
	Epoxy, Cresol Novolac	1309-64-4	0.276142	1.36%	13,575
	Carbon Black	1333-86-4	0.207107	1.02%	10,181
	Phenol resin	-	0.690355	3.39%	33,938
<b>Total Weight (mg)</b>			<b>20.341949</b>	<b>100.00%</b>	<b>1,000,000</b>