

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4242
Ordering Codes:	4242-51; 4242-52
Description:	Reflective SPDT RF Switch - 50 Ohm
Package:	6L SC70
RoHS Compliant	Yes
Lead Finish	100% Matt Tin
Peak Reflow Temp	260 degree C
Time at Peak Temp	20 Sec
Max No. of Reflow	Three
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	0.533442	8.03%	80,276
	Silicon:	7440-21-3	0.000052	0.00%	8
	Silicon Dioxide:	7631-86-9	0.002090	0.03%	314
	Silicon Nitride:	12033-89-5	0.001210	0.02%	182
	Tungsten Silicide:	12039-88-2	0.000053	0.00%	8
	Titanium:	7440-33-6	0.000058	0.00%	9
	Titanium Nitride:	25583-20-4	0.000155	0.00%	23
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.000761	0.01%	114
	Arsenic:	7440-38-2	0.000000	0.00%	0
	Boron:	7440-42-8	0.000096	0.00%	14
	Phosphorous:	7723-14-0	0.000087	0.00%	13
Package					
Leadframe 401990	Cu:	7440-50-8	2.828814	42.57%	425,697
	Fe:	7439-89-6	0.068182	1.03%	10,260
	Zn:	7440-66-6	0.003482	0.05%	524
	P:	7723-14-0	0.000870	0.01%	131
	Ag (weight estimate):	7440-22-4	0.041753	0.63%	6,283
Die attach material	Silver (70 - 85):	7440-22-4	0.042902	0.65%	6,456
	Epoxy Resin (5 - 25):	Proprietary	0.008304	0.12%	1,250
	Aromatic Amine (1 - 10):	Proprietary	0.003045	0.05%	458
Gold Wire	Au:	7440-57-5	0.050193	0.76%	7,553
	Ag:	7440-22-4	0.000007	0.00%	1