

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4257
Ordering Codes:	4257-52
Description:	50 Ω SPDT Absorptive UltraCMOS™ 5 MHz – 3.0 GHz RF Switch
Package:	20L 4X4 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	0.909017	2.24%	22,410
	Silicon (Si)	7440-21-3	0.000302	0.00%	7
	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	0.000101	0.00%	3
	Titanium (Ti)	7440-32-6	0.000035	0.00%	1
	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	0.001513	0.00%	37
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	15.640800	38.56%	385,591
	Iron (Fe)	7439-89-6	0.377000	0.93%	9,294
	Zinc (Zn)	7440-66-6	0.019300	0.05%	476
	Phosphorus (P)	7723-14-0	0.004800	0.01%	118
	Silver (Ag)	7440-22-4	0.396000	0.98%	9,763
Die Attach	Silver (Ag)	7440-22-4	0.079500	0.20%	1,960
	Epoxy Resin	9003-36-5	0.019900	0.05%	491
	t-Butyl phenyl glycidyl ether	3101-60-8	0.008300	0.02%	205
	Phenolic harder	92-88-6	0.001700	0.00%	42
	Butyl cellosolve acetate	112-07-2	0.001100	0.00%	27
Gold Wire	Gold (Au)	7440-57-5	0.243900	0.60%	6,013
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.278300	0.69%	6,861
Mold Compound	Silica Fused	60676-86-0	20.837500	51.37%	513,705
	Epoxy Resin	Trade secret	0.908900	2.24%	22,407
	Phenol Resin	Trade secret	0.068200	0.17%	1,681
	Carbon Black	1333-86-4	0.767000	1.89%	18,909
Total Weight (mg)			40.563177	100.00%	1,000,000