

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4302
Ordering Codes:	4302-51, 4302-52
Description:	50 Ohm RF Digital Attenuator 6-bit, 31.5 dB, DC - 4.0 GHz
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	1.477337	3.38%	33,818
	Silicon (Si)	7440-21-3	0.000490	0.00%	11
	Arsenic (As)	7440-38-2	0.000002	0.00%	0
	Boron (B)	7440-42-8	0.000001	0.00%	0
	Phosphorous (P)	7723-14-0	0.000165	0.00%	4
	Titanium (Ti)	7440-32-6	0.000057	0.00%	1
	Tungsten (W)	7440-33-7	0.000004	0.00%	0
	Copper (Cu)	7440-50-8	0.000008	0.00%	0
	Aluminum (Al)	7429-90-5	0.002459	0.01%	56
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	13.633600	31.21%	312,086
	Iron (Fe)	7439-89-6	0.328600	0.75%	7,522
	Zinc (Zn)	7440-66-6	0.016800	0.04%	385
	Phosphorus (P)	7723-14-0	0.004200	0.01%	96
	Silver (Ag)	7440-22-4	0.377200	0.86%	8,634
Die Attach	Silver (Ag)	7440-22-4	0.124600	0.29%	2,852
	Epoxy Resin	9003-36-5	0.031200	0.07%	714
	t-Butyl phenyl glycidyl ether	3101-60-8	0.013000	0.03%	298
	Phenolic harder	92-88-6	0.002600	0.01%	60
	Butyl cellosolve acetate	112-07-2	0.001700	0.00%	39
Gold Wire	Gold (Au)	7440-57-5	0.260500	0.60%	5,963
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.791200	1.81%	18,111
Mold Compound	Silica Fused	60676-86-0	24.410200	55.88%	558,772
	Epoxy Resin	Trade secret	1.064800	2.44%	24,374
	Phenol Resin	Trade secret	1.064800	2.44%	24,374
	Carbon Black	1333-86-4	0.079900	0.18%	1,829
Total Weight (mg)			43.685423	100.00%	1,000,000