

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4304
Ordering Codes:	4304-01, 4304-02, 4304-51, 4304-52
Description:	75 Ω RF Digital Attenuator, 6-bit, 31.5 dB, DC – 2.0 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	2.095087	5.08%	50,829
	Silicon (Si)	7440-21-3	0.000695	0.00%	17
	Arsenic (As)	7440-38-2	0.000003	0.00%	0
	Boron (B)	7440-42-8	0.000001	0.00%	0
	Phosphorous (P)	7723-14-0	0.000234	0.00%	6
	Titanium (Ti)	7440-32-6	0.000080	0.00%	2
	Tungsten (W)	7440-33-7	0.000006	0.00%	0
	Copper (Cu)	7440-50-8	0.000011	0.00%	0
	Aluminum (Al)	7429-90-5	0.003488	0.01%	85
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	15.640800	37.95%	379,464
	Iron (Fe)	7439-89-6	0.377000	0.91%	9,146
	Zinc (Zn)	7440-66-6	0.019300	0.05%	468
	Phosphorus (P)	7723-14-0	0.004800	0.01%	116
	Silver (Ag)	7440-22-4	0.396500	0.96%	9,620
Die Attach	Silver (Ag)	7440-22-4	0.181200	0.44%	4,396
	Epoxy Resin	9003-36-5	0.045300	0.11%	1,099
	t-Butyl phenyl glycidyl ether	3101-60-8	0.018900	0.05%	459
	Phenolic hardener	92-88-6	0.003800	0.01%	92
	Butyl cellosolve acetate	112-07-2	0.002500	0.01%	61
Gold Wire	Gold (Au)	7440-57-5	0.380600	0.92%	9,234
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.278200	0.67%	6,749
Mold Compound	Silica Fused	60676-86-0	19.962700	48.43%	484,319
	Epoxy Resin	Trade secret	0.870800	2.11%	21,127
	Phenol Resin	Trade secret	0.870800	2.11%	21,127
	Carbon Black	1333-86-4	0.065300	0.16%	1,584
Total Weight (mg)			41.218106	100.00%	1,000,000