

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE43701
Ordering Codes:	PE43701MLI-Z, PE43701MLI
Description:	50 Ohm RF Digital Attenuator 7-bit, 31.75 dB, 9kHz - 4.0 GHz
Package:	32L 5X5 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	2.020037	3.05%	30,549
	Silicon (Si)	7440-21-3	0.000670	0.00%	10
	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	0.000226	0.00%	3
	Titanium (Ti)	7440-32-6	0.000077	0.00%	1
	Tungsten (W)	7440-33-7	0.000006	0.00%	0
	Copper (Cu)	7440-50-8	0.000010	0.00%	0
	Aluminum (Al)	7429-90-5	0.003363	0.01%	51
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	27.500300	41.59%	415,881
	Iron (Fe)	7439-89-6	0.662800	1.00%	10,023
	Zinc (Zn)	7440-66-6	0.033800	0.05%	511
	Phosphorus (P)	7723-14-0	0.008500	0.01%	129
	Silver (Ag)	7440-22-4	0.180000	0.27%	2,722
Die Attach	Silver (Ag)	7440-22-4	0.203200	0.31%	3,073
	Epoxy Resin	9003-36-5	0.050800	0.08%	768
	t-Butyl Phenyl Glycidyl Ether	3101-60-8	0.021200	0.03%	321
	Phenolic Hardener	92-88-6	0.004200	0.01%	64
	Butyl Cellosolve Acetate	112-07-2	0.002800	0.00%	42
Gold Wire	Gold (Au)	7440-57-5	0.739800	1.12%	11,188
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.346500	0.52%	5,240
Mold Compound	Silica Fused	60676-86-0	31.496300	47.63%	476,312
	Epoxy Resin	Trade secret	1.373900	2.08%	20,777
	Phenol Resin	Trade secret	1.373900	2.08%	20,777
	Carbon Black	1333-86-4	0.103000	0.16%	1,558
Total Weight (mg)			66.125394	100.00%	1,000,000