

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE43712
Ordering Codes:	PE43712-B-Z
Description:	UltraCMOS RF Digital Step Attenuator, 7-bit, 31.75 dB, 9KHz - 6 GHz, without VssEXT Option
Package:	32L 5x5 QFN
Environmental Compliance	EU RoHS2 Directive 2011/65/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	NiPdAu
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Aluminum oxide	1344-28-1	2.249951	3.01%	30,104.78
Die	Aluminum	7429-90-5	0.006844	0.01%	91.57
Die	Silicon	7440-21-3	0.000456	0.00%	6.10
Die	Arsenic	7440-38-2	0.000002	0.00%	0.03
Die	Boron	7440-42-8	0.000002	0.00%	0.03
Die	Phosphorus	7723-14-0	0.000009	0.00%	0.12
Die	Titanium	7440-32-6	0.001141	0.00%	15.26
Die	Tungsten	7440-33-7	0.022813	0.03%	305.24
Die	Cobalt	7440-48-4	0.000046	0.00%	0.61
Die	Copper	7440-50-8	0.000018	0.00%	0.24
Leadframe	Copper	7440-50-8	38.211700	51.13%	511,279.89
Leadframe	Iron	7439-89-6	0.921500	1.23%	12,329.85
Leadframe	Zinc	7440-66-6	0.049000	0.07%	655.63
Leadframe	Phosphorus	7723-14-0	0.032400	0.04%	433.52
Leadframe	Nickel	7440-02-0	0.681000	0.91%	9,111.91
Leadframe	Palladium	7440-05-3	0.019000	0.03%	254.22
Leadframe	Gold	7440-57-5	0.006000	0.01%	80.28
Leadframe	Silver	7440-22-4	0.005000	0.01%	66.90
Wire	Gold	7440-57-5	1.633000	2.18%	21,849.85
Die Attach	Proprietary Acrylates	Trade secret	0.068700	0.09%	919.22
Die Attach	Silver	7440-22-4	0.422780	0.57%	5,656.88
Die Attach	Proprietary Bismaleimide	Trade secret	0.015850	0.02%	212.08
Die Attach	Methacrylate Ester	Trade secret	0.015850	0.02%	212.08
Die Attach	Proprietary Polymer	Trade secret	0.005280	0.01%	70.65
Molding Compound	Epoxy resin	Trade secret	2.747000	3.68%	36,755.39
Molding Compound	Silica Fused	60676-86-0	26.249000	35.12%	351,216.66
Molding Compound	Phenol resin	Trade secret	1.373000	1.84%	18,371.00
Total Weight (mg)			74.737343	100.00%	1,000,000