

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE43711
Ordering Codes:	PE43711B-Z
Description:	UltraCMOS® RF Digital Step Attenuator 9 kHz - 6 GHz
Package:	20L 4x4 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	5.09%	50,934.32
Die	Aluminum	7429-90-5	0.006844	0.02%	154.93
Die	Silicon	7440-21-3	0.000456	0.00%	10.33
Die	Arsenic	7440-38-2	0.000002	0.00%	0.05
Die	Boron	7440-42-8	0.000002	0.00%	0.05
Die	Phosphorus	7723-14-0	0.000009	0.00%	0.21
Die	Titanium	7440-32-6	0.001141	0.00%	25.82
Die	Tungsten	7440-33-7	0.022813	0.05%	516.44
Die	Cobalt	7440-48-4	0.000046	0.00%	1.03
Die	Copper	7440-50-8	0.000018	0.00%	0.41
Leadframe	Copper	7440-50-8	20.443000	46.28%	462,787.91
Leadframe	Iron	7439-89-6	0.049300	0.11%	1,116.05
Leadframe	Zinc	7440-66-6	0.026000	0.06%	588.59
Leadframe	Phosphorus	7723-14-0	0.017000	0.04%	384.85
Die Attach	Proprietary acrylates	-	0.045000	0.10%	1,018.71
Die Attach	Silver	7440-22-4	0.277000	0.63%	6,270.72
Die Attach	Proprietary Bismaleimide	-	0.010000	0.02%	226.38
Die Attach	Methacrylate ester	-	0.010000	0.02%	226.38
Die Attach	Proprietary polymer	-	0.004000	0.01%	90.55
Gold Wire	Gold	7440-57-5	0.689000	1.56%	15,597.56
Plating	Nickel	7440-02-0	0.407000	0.92%	9,213.65
Plating	Palladium	5/3/7440	0.011000	0.02%	249.02
Plating	Gold	7440-57-5	0.004000	0.01%	90.55
Mold Compound	Silica fused	60676-86-0	18.000000	40.75%	407,483.36
Mold Compound	Multi-aromatic resin	-	1.900000	4.30%	43,012.13
Total Weight (mg)			44.173583	100.00%	1,000,000