

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE43713
Ordering Codes:	PE43713A-Z
Description:	UltraCMOS RF Digital Step Attenuator, 7-bit, 31.75 dB, 9kHz - 6 GHz, with 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	Sapphire (Al2O3)	1344-28-1	2.179935	2.91%	29,123
Package					
Leadframe	Copper (Cu)	7440-50-8	38.200000	51.03%	510,331
	Iron (Fe)	7439-89-6	0.900000	1.20%	12,024
	Zinc (Zn)	7440-66-6	0.049000	0.07%	655
	Phosphorus (P)	7723-14-0	0.032400	0.04%	433
Die Attach	Proprietary Acrylates	Trade secret	0.054000	0.07%	721
	Silver (Ag)	7440-22-4	0.333000	0.44%	4,449
	Proprietary Bismaleimide	Trade secret	0.013000	0.02%	174
	Methacrylate Ester	Trade secret	0.013000	0.02%	174
Gold Wire	Proprietary Polymer	Trade secret	0.004000	0.01%	53
	Gold (Au)	7440-57-5	1.264000	1.69%	16,886
Frame Plating	Nickel (Ni)	7440-02-0	0.565000	0.75%	7,548
	Palladium (Pd)	7440-05-3	0.012000	0.02%	160
	Gold (Au)	7440-57-5	0.001000	0.00%	13
	Silver (Ag)	7440-22-4	0.001000	0.00%	13
External Plating	Nickel (Ni)	7440-02-0	0.116000	0.15%	1,550
	Palladium (Pd)	7440-05-3	0.007000	0.01%	94
	Gold (Au)	7440-57-5	0.005000	0.01%	67
	Silver (Ag)	7440-22-4	0.004000	0.01%	53
Mold Compound	Silica Fused	60676-86-0	26.700000	35.67%	356,698
	Epoxy Resin	Trade secret	2.800000	3.74%	37,406
	Phenol Resin	Trade secret	1.400000	1.87%	18,703
	Carbon Black	1333-86-4	0.200000	0.27%	2,672
Total Weight (mg)			74.853335	100.00%	1,000,000