

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE46130
Ordering Codes:	PE46130A-X, PE46130A-G
Description:	Monolithic Phase & Amplitude Controller, 2.3–2.7 GHz
Package:	32L 6x6 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
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
Die	Aluminum oxide	1344-28-1	6.430000	5.74%	57,416
Package					
Die Attach	Methacrylate ester	-	0.036000	0.03%	321
	Proprietary acrylates	-	0.157000	0.14%	1,402
	Proprietary bismaleimide	-	0.036000	0.03%	321
	Proprietary polymer	-	0.012000	0.01%	107
Mold Compound	Silver	7440-22-4	0.964000	0.86%	8,608
	Carbon black	1333-86-4	0.200000	0.18%	1,786
	Phenol resin	-	1.800000	1.61%	16,073
	Epoxy resin	-	3.600000	3.21%	32,146
Leadframe	Silica fused	60676-86-0	34.300000	30.63%	306,280
	Copper	7440-50-8	58.800000	52.51%	525,052
	Iron	7439-89-6	1.400000	1.25%	12,501
	Phosphorus	7723-14-0	0.100000	0.09%	893
	Zinc	7440-66-6	0.100000	0.09%	893
Leadframe Plating	Gold	7440-57-5	0.002000	0.00%	18
	Nickel	7440-02-0	0.814000	0.73%	7,269
	Palladium	7440-05-3	0.017000	0.02%	152
Wire	Silver	7440-22-4	0.001000	0.00%	9
	Gold	7440-57-5	3.220000	2.88%	28,753
Total Weight (mg)			111.989000	100.00%	1,000,000

