

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE43508
Ordering Codes:	PE43508A-V
Description:	UltraCMOS® RF Digital Step Attenuator, 9 kHz–50 GHz
Package:	Flip Chip
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	Solder Bump
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Silicon	7440-21-3	5.536520	98.45%	984,466.51
Die	Phosphorus	7723-14-0	0.000028	0.00%	4.95
Die	Boron	7440-42-8	0.000028	0.00%	4.95
Die	Arsenic	7440-38-2	0.000028	0.00%	4.95
Die	Germanium	7440-56-4	0.000028	0.00%	4.95
Die	Indium	7440-74-6	0.000028	0.00%	4.95
Die	Cobalt	7440-48-4	0.000028	0.00%	4.95
Die	Tungsten	7440-33-7	0.001042	0.02%	185.26
Die	Copper	7440-50-8	0.031595	0.56%	5,618.08
Die	Tantalum	7440-25-7	0.001499	0.03%	266.49
Die	Aluminum	7429-90-5	0.000579	0.01%	103.03
Sputter	Titanium	7440-32-6	0.000111	0.00%	19.81
Sputter	Tungsten	7440-33-7	0.000111	0.00%	19.81
Sputter	Copper	7440-50-8	0.000223	0.00%	39.63
Polyimide	Proprietary polymer	-	0.000030	0.00%	5.37
UBM	Nickel	7440-02-0	0.002080	0.04%	369.85
Solder Plating	Tin	7440-31-5	0.049021	0.87%	8,716.61
Solder Plating	Silver	7440-22-4	0.000899	0.02%	159.83
Total Weight (mg)			5.623878	100.00%	1,000,000