

ECE 6390
 Earthshine Enterprises
 Budget Calculations

Parts:

Part #	Manufacturer	Mfr. Contact	Description	Price (USD)	Quantity	Total Cost (USD)
FIB-12-RE010	Millitech	413-582-9620	Iris E Bandpass Filter-Wide	\$ 3,200.00	12	\$ 38,400.00
ECA-E-X-450	Elva-1	sales@elva-1.com	E Band Reflector Antenna-46.6 dBi	\$ 5,000.00	1	\$ 5,000.00
AMP-12-02280	Millitech	413-582-9620	71-76 GHz Power Amp	\$ 2,690.00	1	\$ 2,690.00
AMP-12-02490	Millitech	413-582-9620	81-86 GHz Power Amp	\$ 5,910.00	1	\$ 5,910.00
n/a	Lit. Reference	n/a	Cryogenic Cooled LNA	\$ 4,035.00	2	\$ 8,070.00
LNA-12-02190	Millitech	413-582-9620	71-86 GHz LNA	\$ 2,690.00	2	\$ 5,380.00
OMT-12-AB125	Millitech	413-582-9620	Orthomode Transducer	\$ 5,778.00	1	\$ 5,778.00
GDV-12-1013IR	Millitech	413-582-9620	Voltage Controlled Gunn Oscillator	\$ 3,875.00	2	\$ 7,750.00
GDM-12-1013IR	Millitech	413-582-9620	Mechanically Tuned Gunn Oscillator	\$ 3,765.00	2	\$ 7,530.00
MB1-12-RR1AF	Millitech	413-582-9620	Biasable Balanced Mixer	\$ 3,570.00	2	\$ 7,140.00
PSP-12-RIASN	Millitech	413-582-9620	SPST Switch	\$ 2,327.00	3	\$ 6,981.00

Parts Total \$ 100,629.00

Labor:

Num. Engineers	Avg. Pay/Hour	Num. Months	Total Labor Cost
5	\$ 100.00	8	\$ 720,000.00

Total Cost:
\$ 820,629.00