



SPECIFICATION

AUI-04-8757-84A

Phase Locked Multiplier

<u>Spec. No.</u>	<u>PARAMETER</u>	<u>SPEC.</u>
Product: PLL X-84 Multiplier		
1	Input Frequency, MHz	100.5 to 108
2	Input Power, dBm	0±3 dB
3	Multiplication	X-84
4	Output Frequency, GHz	8.442 to 9.072
5	Output Power, dBm	+10 to +13
6	Power Var. vs Temp	±1.5 dB (-30° C to +60 ° C)
7	Lock Indication	17mA into a 1K load = Locked 0 to 0.5 volts = Unlocked
8	VSWR, IN/OUT	1.5:1 Max.
9	Spurious, In Band	-60 dBc Max., -75 dBc Max. design goal
	Spurious,	
	7.942 GHZ to 8.442 GHz	-50 dBc Max.
	9.072 GHZ to 9.572 GHz	-50dBc Max.
	below 7.942 GHz	-25 dBc Max.
	above 9.572 GHz	-25 dBc Max.
10	Connectors I/O	SMA Female
11	Impedance I/O	50 Ohms
12	DC Power	24 VDC ± 5% 400 mA Max.
13	DC Power Connector	Solder Pin
14	Tuning Time	500 msec
15	Weight	1 Kg Max.
16*	Size	4" x 3" x 2.96"
17	Operating Temperature	-30° C to + 60 ° C
18	Storage Temperature	-55 ° C to + 85° C
19	Humidity	95% RH @ 25° C

- Excluding Connectors