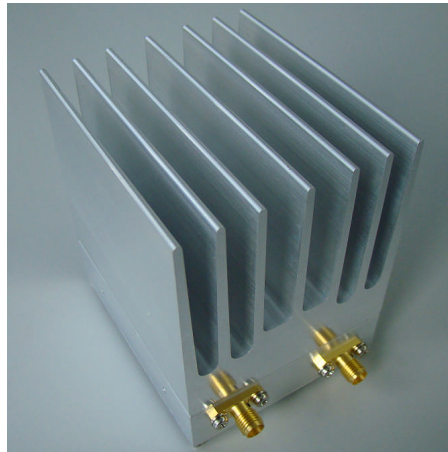


Programmable Frequency Synthesizer

DPL-18GF



DPL-18GFH



Features

- Low phase noise
- Programmable(10KHz step)
- Wide band 1GHz – 18GHz
- +6V single power supply
- Compact size



Digital Signal Technology, Inc

1-7-30, Higashi Benzai, Asaka, Saitama, 351-0022, Japan

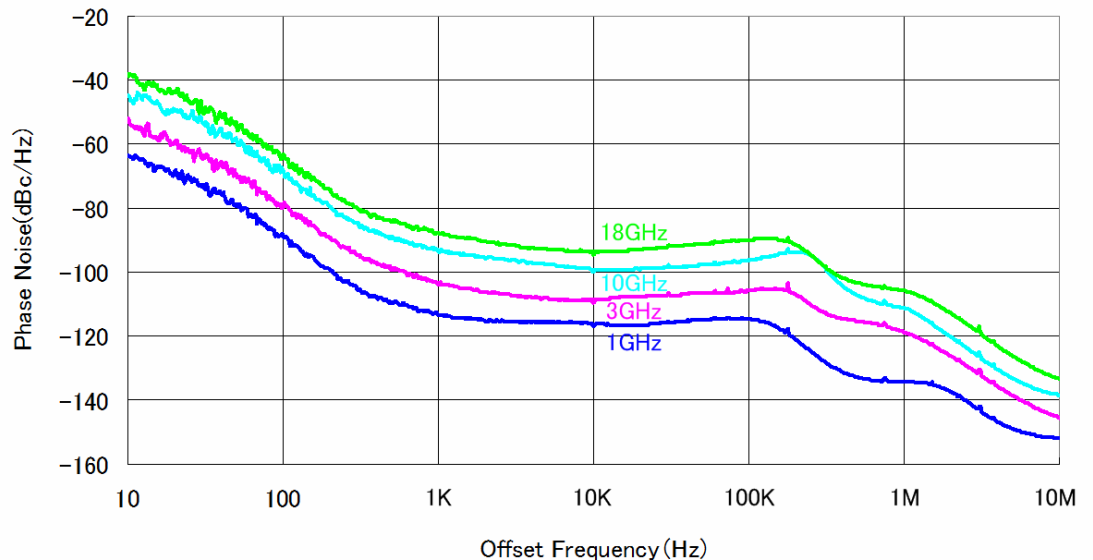
TEL 81-48-468-6094 FAX 81-48-468-6210

<http://www.dst.co.jp/en>

● Specification

Power Supply/Current	+6V±5%, <2A	
Frequency Range	1GHz~18GHz	
Frequency Resolution	10KHz step	
Output level	>+10dBm	
Output Impedance	50Ω	
Spurious	<-60dBc	
Harmonics	<-8dBc以下	
Phase Noise 10GHz(typical)	-73dBc/Hz	@100Hz
	-93dBc/Hz	@1KHz
	-99dBc/Hz	@10kHz
	-96dBc/Hz	@100kHz
	-111dBc/Hz	@1MHz
Internal Ref Clock Accuracy	<+/-2ppm 0-50 degree C	
External Ref Clock and Level Lock Time	10MHz -6dBm - +6dBm	
Lock Time	max10msec	
Operating Temperature Range	0°C- +50 degree C (in case of being installed with thermal resistance 6.5(degree C/W) heat sink)	
Outer Dimensions	60mm × 70mm × 17.5mm 60mm × 70mm × 77.5mm (with Heat Sink)	
Interface	(1) Asynchronous Serial Communication	9600bps, 8 bits, 1 stop bit, non-parity 3.3V CMOS level
	(2) SPI serial communication	3.3V CMOS level

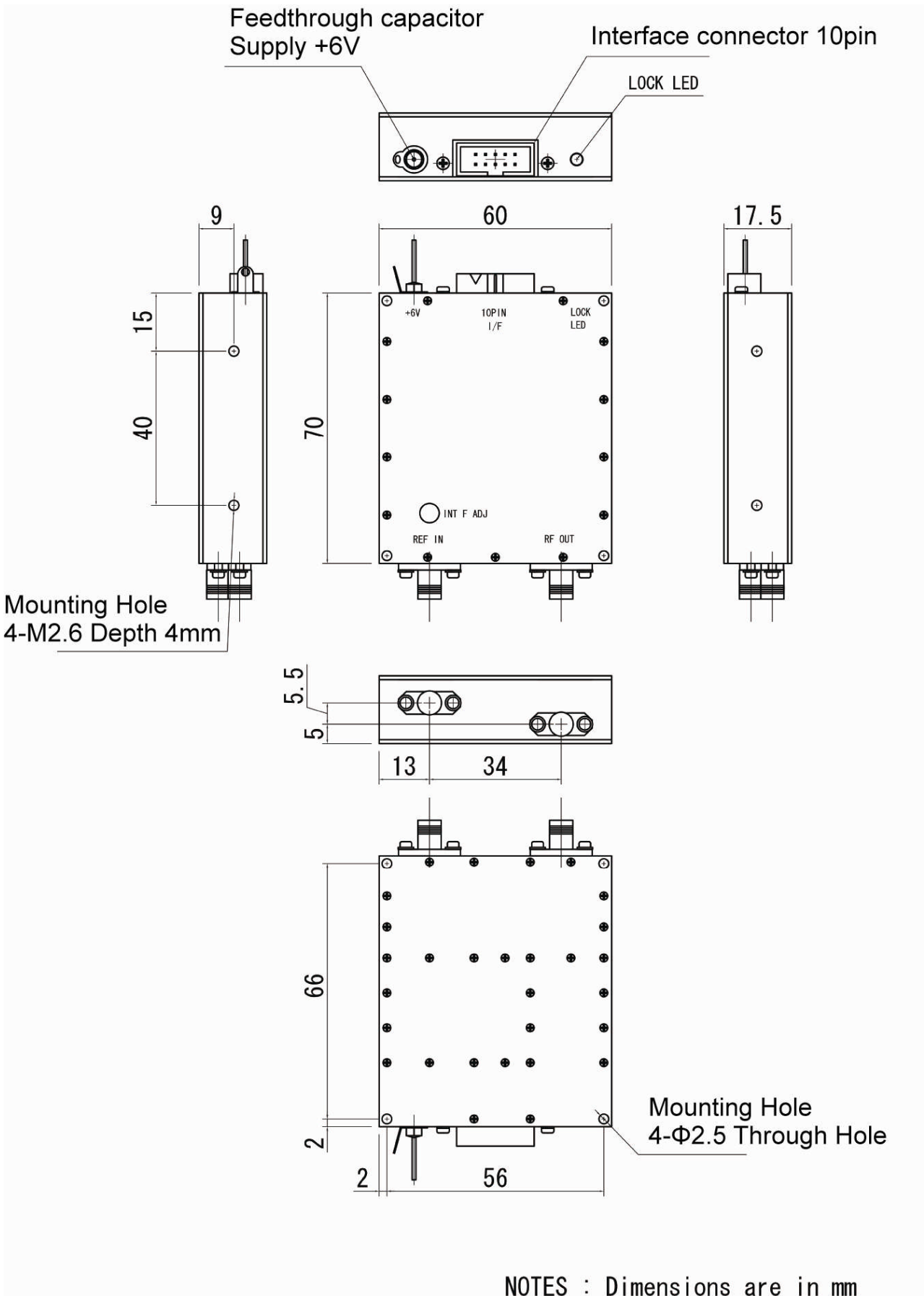
● Phase Noise



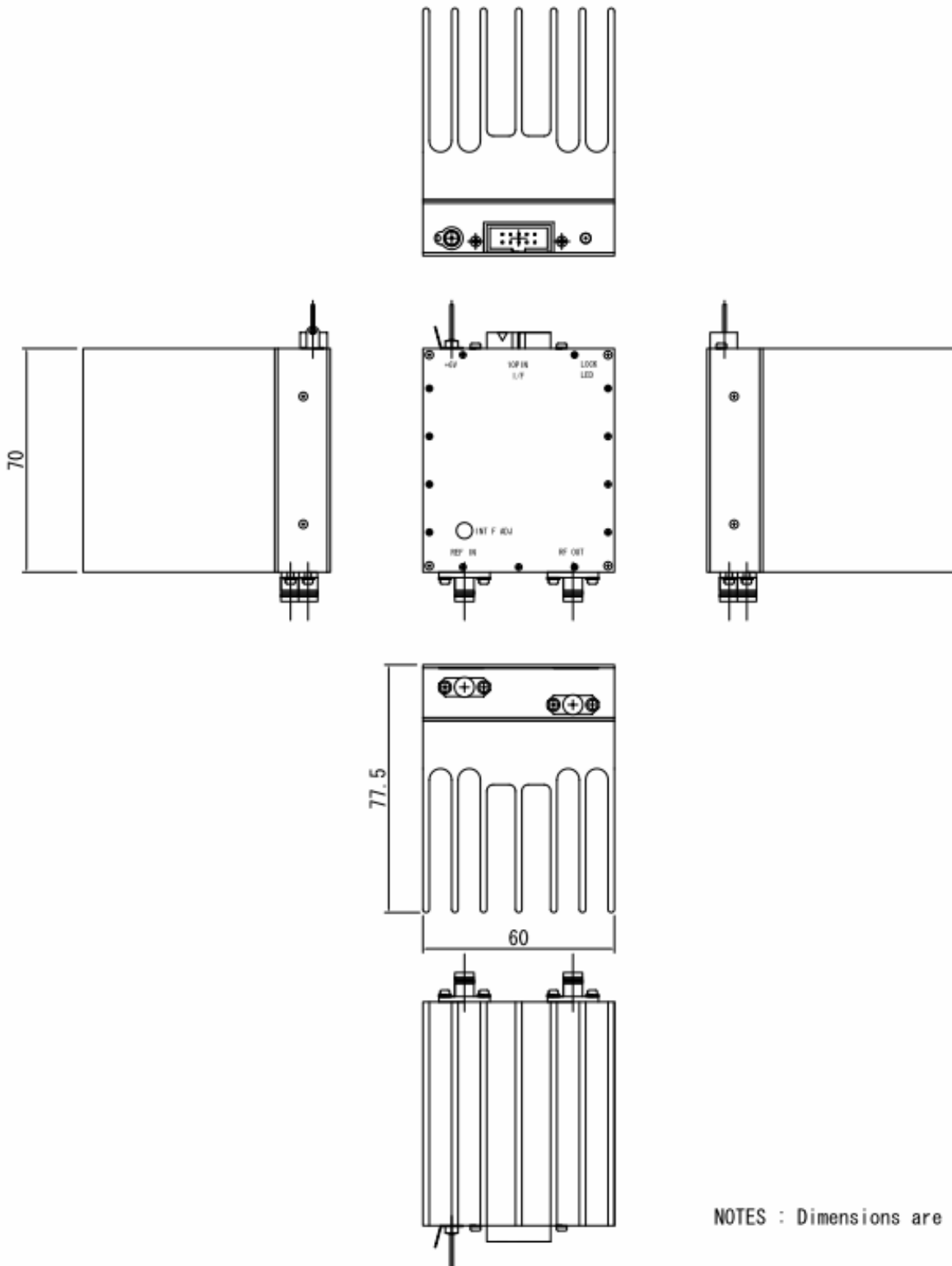
● Option



USB interface
Outer Dimensions DPL-18GF USBIF-02



● Outer Dimensions DPL-18GFH



NOTES : Dimensions are in mm