



ELECTRICAL SPECIFICATIONS:

RF OUTPUT

FREQUENCY RANGE: 4 - 5 GHz
 FREQUENCY STEP: 5 MHz
 SWITCHING TIME: 100 μs
 OUTPUT POWER: +15 dBm
 OUTPUT RETURN LOSSES: 14 dB
 HARMONIC LEVEL: -35 dBc min., -50 dBc typ.
 SUBHARMONIC LEVEL: -23 dBc min., -35 dBc typ.
 SPURIOUS LEVEL: -60 dBc typ.

FREQUENCY STABILITY

TEMPERATURE STABILITY: ±1 ppm
 AGING: ±3 ppm (20 years)

PHASE NOISE (Typical)

	@4 GHz	@5 GHz	Unit
1 KHz	-89	-87	dBc/Hz
10 KHz	-95	-92	dBc/Hz
100 KHz	-108	-104	dBc/Hz
1 MHz	-133	-128	dBc/Hz
5 MHz	-140	-140	dBc/Hz

ELECTRICAL

SUPPLY VOLTAGE: +7VDC ± 10%
 POWER CONSUMPTION: 6 W
 CONTROL VOLTAGE: TTL compatible

CONNECTORS

RF OUT:
 POWER/CTRL:

- J1 - SMA (F)
 J2 - SAMTECH TFM 10X2
- | | |
|-------------------|-------------------|
| #1: Fout=5 MHz | #2: LOCKED |
| #3: Fout=10 MHz | #4: Fout=5120 MHz |
| #5: Fout=20 MHz | #6: Fout=2560 MHz |
| #7: Fout=40 MHz | #8: Fout=1280 MHz |
| #9: Fout=80 MHz | #10: Fout=640 MHz |
| #11: Fout=160 MHz | #12: Fout=320 MHz |
| #13: EN | #14: N/C |
| #15: N/C | #16: N/C |
| #17: N/C | #18: N/C |
| #19: Vcc | #20: GND |

ENVIRONMENTAL RATINGS

- TEMPERATURE RANGE: -40°C TO +85°C (OPERATING)
 -55°C TO +100°C (STORAGE)



NOTE: The above specifications are subject to change or revision. Specifications are at 25°C unless stated otherwise

	QP microWAVE CÓLQUIDE 6 28231 LAS ROZAS MADRID, SPAIN	APPROVALS	DATE	SIGNED	DESCRIPTION: FREQ. SYNTHESIZER 4-5GHz
		DRAW	06/05/19	BME	CODE:
		CHECKED	06/05/19	BME	QP-FSPLM-0405-01
APROBADO	06/05/19	JAV	REV.: 001	SHEET: 1 OF 1	