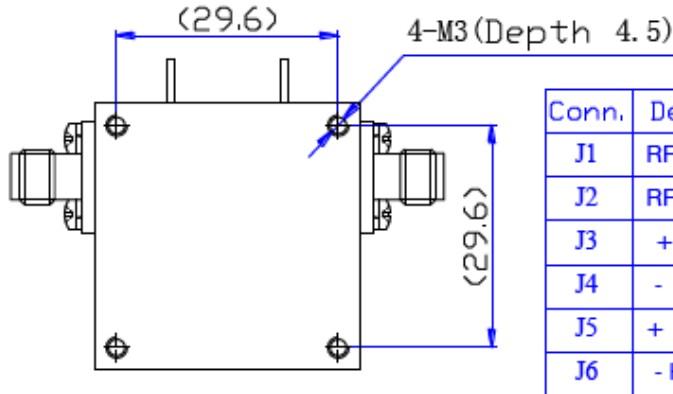


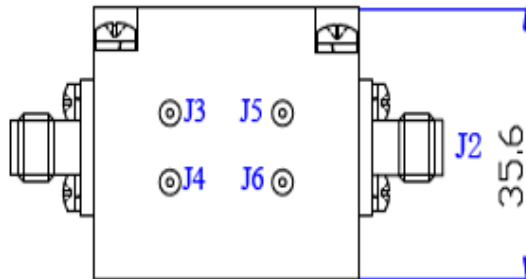
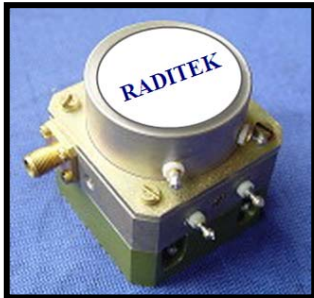
2 to 6GHz, 200MHz Bandwidth, YIG Bandpass Filter

Part number: RYBPF-2-6-200M-SMAf-24v-nd-i3



Conn.	Definition
J1	RF input
J2	RF output
J3	+ coil
J4	- coil
J5	+ Heater
J6	- Heater

Envelope volume: 35.6 x 35.6 x 35.6 mm



Units: mm
Not to Scale

External Driver Optional Extra

-dd	Digital	optional
-ad	Analog	optional
-nd	No driver	standard

Specifications		Units
Frequency Range	2-6	GHz
3dB Bandwidth	≥200	MHz
Insertion Loss	≤8	dB
Combined Ripple and Spurious	≤2.5	dB
Off Resonance Isolation	≥50	dB
Off Resonance Spurious	≥40	dB
Tuning linearity	±15	dB
Hysteresis	10	MHz
Selectivity	15	dB/octave
Maximum frequency drift	30	MHz
Power limiting	10	dBm
Tuning Sensitivity	20	MHz/mA
Heater surge current @ 25°C	350-500	mA (24v)
Heater steady state current @ 25°C	150	mA (24v)
Tuning current/Voltage Range	0 (~150mA) to 10(~350mA)	Volts
Outline dimensions	35.6 x 35.6 x 35.6	mm
	1.4 x 1.4 x 1.4	Inch

2 to 6GHz, 200MHz Bandwidth, YIG Bandpass Filter Part number: RYBPF-2-6-200M-SMAf-24v-nd-i3

**Plot: Insertion Loss / Response at 2 and 4 GHz.
Bandwidth increases as higher frequencies and loss increases slightly.**

