

RADITEK INC.

SAW Band Pass Filter for DCS-RX Band 1805MHz to 1880MHz, 13 dBm Input Power, Surface Mount RSAW-BPF-1805-1880M-0303-13d-S-p2

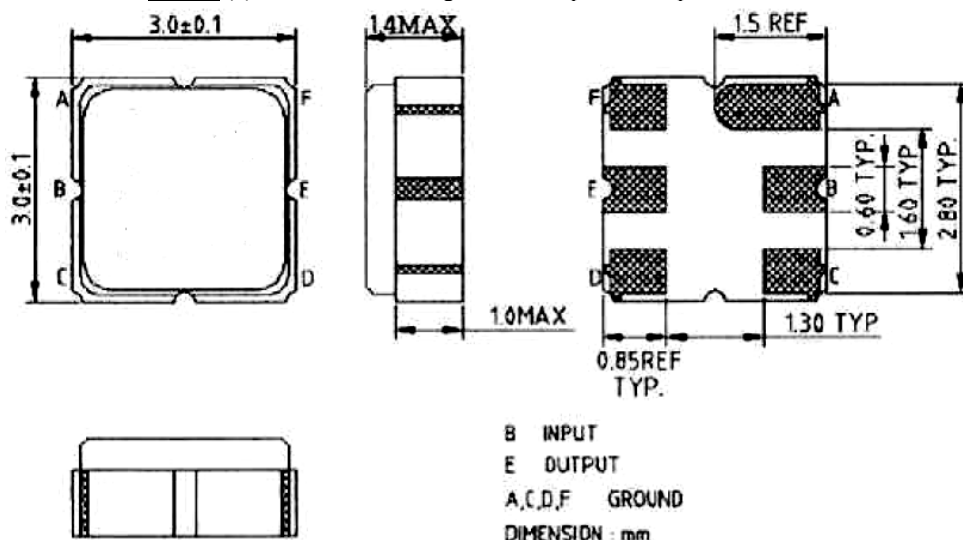
code-p2

MAXIMUM RATING:

1. Input Power Level: 13 dBm
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

Specifications	Unit	Minimum	Typical	Maximum
Center Frequency (Fc)	MHz	-	1842.5	-
Insertion Loss (1805 ~ 1880 MHz)	dB	-	2.2	3.8
Amplitude ripple (p-p) within 1805 ~ 1880 MHz	dB	-	1.3	2.3
Attenuation (Reference level from 0 dB):				
D.C. ~ 1500 MHz	dB	20.0	24.5	-
1600~ 1710 MHz	dB	22.0	25.0	-
1710 ~ 1785 MHz	dB	10.0	23.5	-
1920 ~ 3120 MHz	dB	25.0	28.0	-
3120 ~ 4000 MHz	dB	17.0	30.0	-
VSWR (2110 ~ 2170 MHz)	-	-	1.9	2.6
Source Impedance Z _S	Ω	-	50	-
Load Impedance Z _L	Ω	-	50	-

Notes : (1) Note1. No matching network required for operation at 50 Ω



RSAW-BPF-1805-1880M-0303-13d-S-p2

Specifications may be subject to change

02/18/09

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Telephone: (408) 266-7404 FAX: (408) 266-4483

WEB: www.raditek.com, E-mail: sales@raditek.com

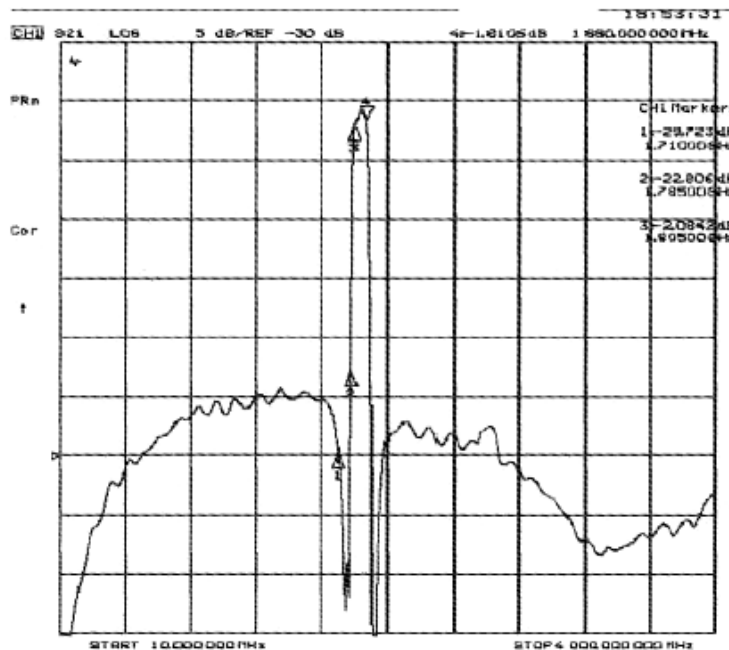
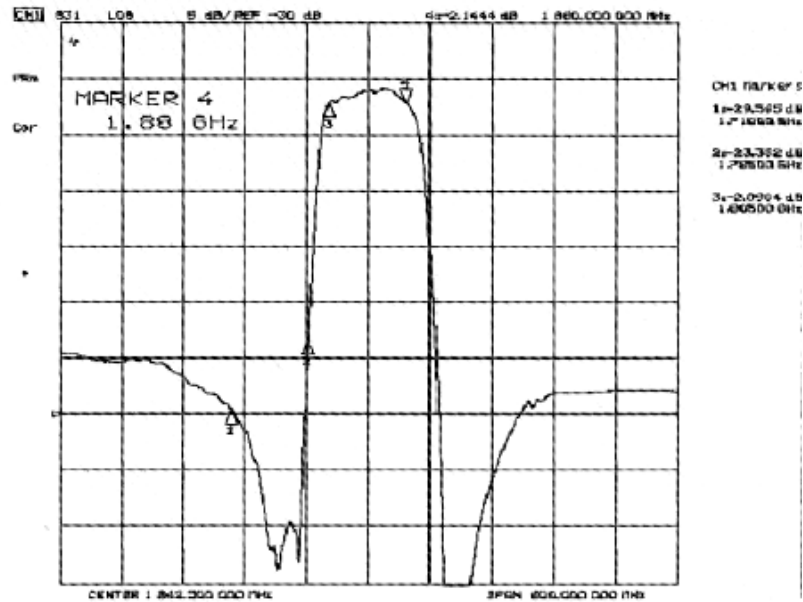
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C. Frequency Characteristics :

Transfer function

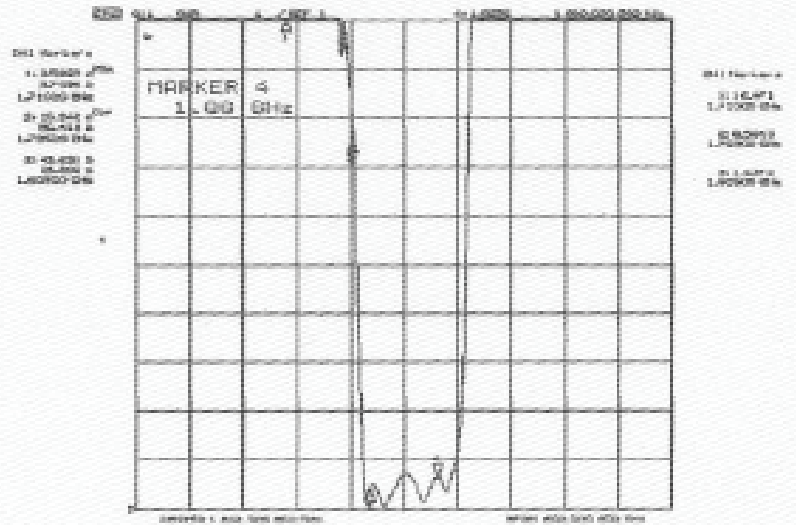
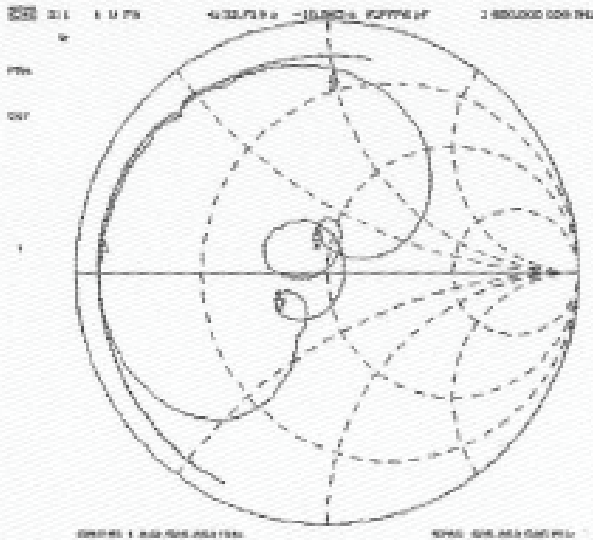


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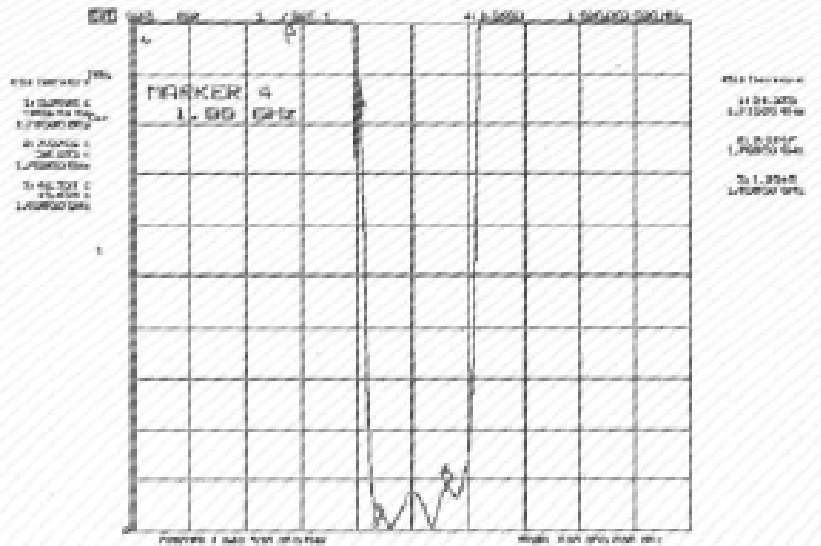
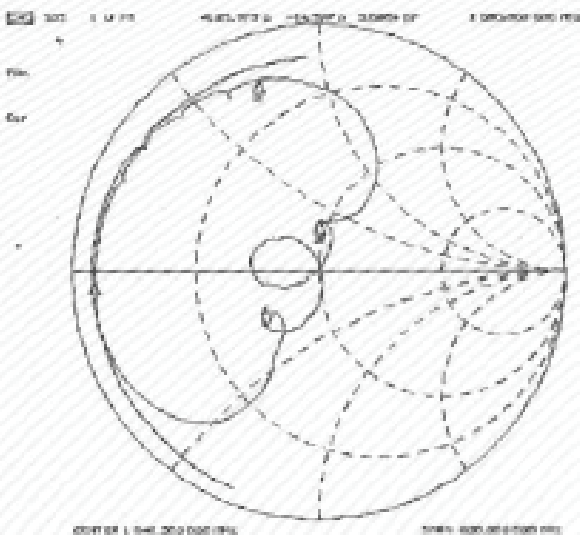
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S11 VSWR



S22 VSWR



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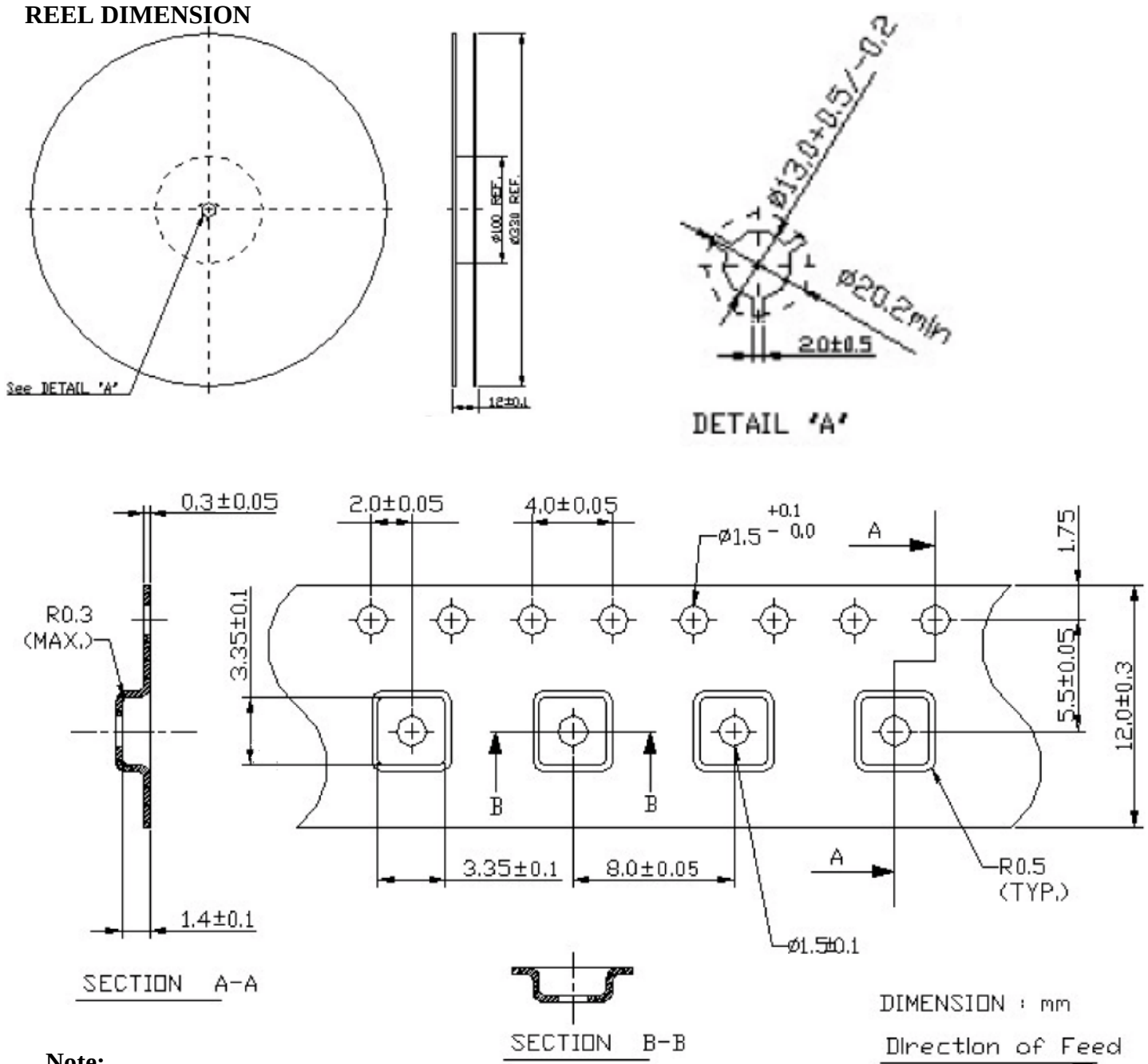
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Note:

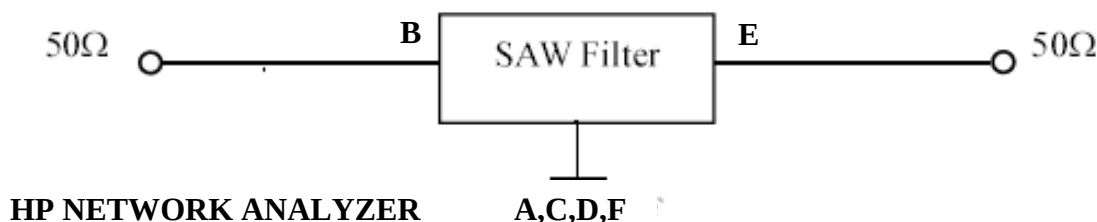
1. Pocket position relative to sprocket hole measured as true position of pocket, not pocket hole.

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MEASUREMENT CIRCUIT



Re-Flow Profile:

1. Preheating shall be fixed at 140 ~ 160 °C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 200°C for 50 ~ 60 seconds and at 230 +/- 10°C peak.

