

RADITEK INC.

SAW Band Pass Filter for EGSM-RX Band 806MHz-824MHz, 7 dBm Input Power, Surface Mount RSAW-BPF-806-824M-0303-7d-S-p2

code-p2

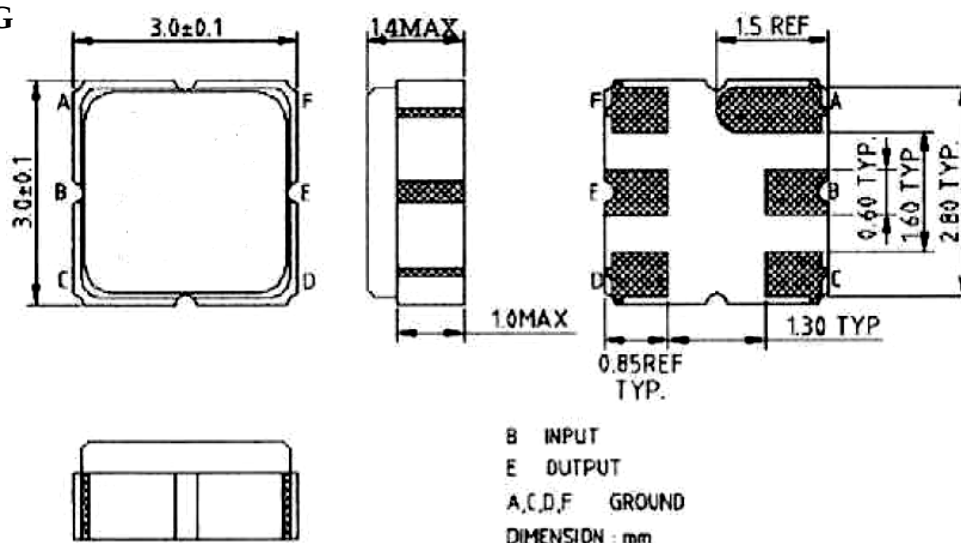
MAXIMUM RATING:

1. Input Power Level: 7 dBm
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C

ELECTRICAL CHARACTERISTICS:

Parameters Description	Unit	Minimu	Typical	Maximu
Center Frequency (Fc)	MHz	-	815.5	-
Insertion Loss (806 ~ 825 MHz)	dB	-	2.6	3.5
Group Delay ripple (806 ~ 825 MHz)	nS	-	18.0	50.0
Attenuation (Reference level from 0 dB):				
851 ~ 866 MHz	dB	40.0	46.0	-
935 ~ 945 MHz	dB	35.0	68.0	-
960.65 ~ 979.65 MHz	dB	35.0	65.0	-
1115.3 ~ 1134.5 MHz	dB	37.0	64.0	-
1269.95 ~ 1288.95 MHz	dB	40.0	62.0	-
1612 ~ 1650 MHz	dB	35.0	68.0	-
1650 ~ 2600 MHz	dB	25.0	38.0	-
VSWR (806 ~ 825 MHz)	-	-	1.7	2.0
Source Impedance Zs	Ω	-	50	-
Load Impedance ZL	Ω	-	50	-

OUTLINE DRAWING



RSAW-BPF-806-824M-0303-7d-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

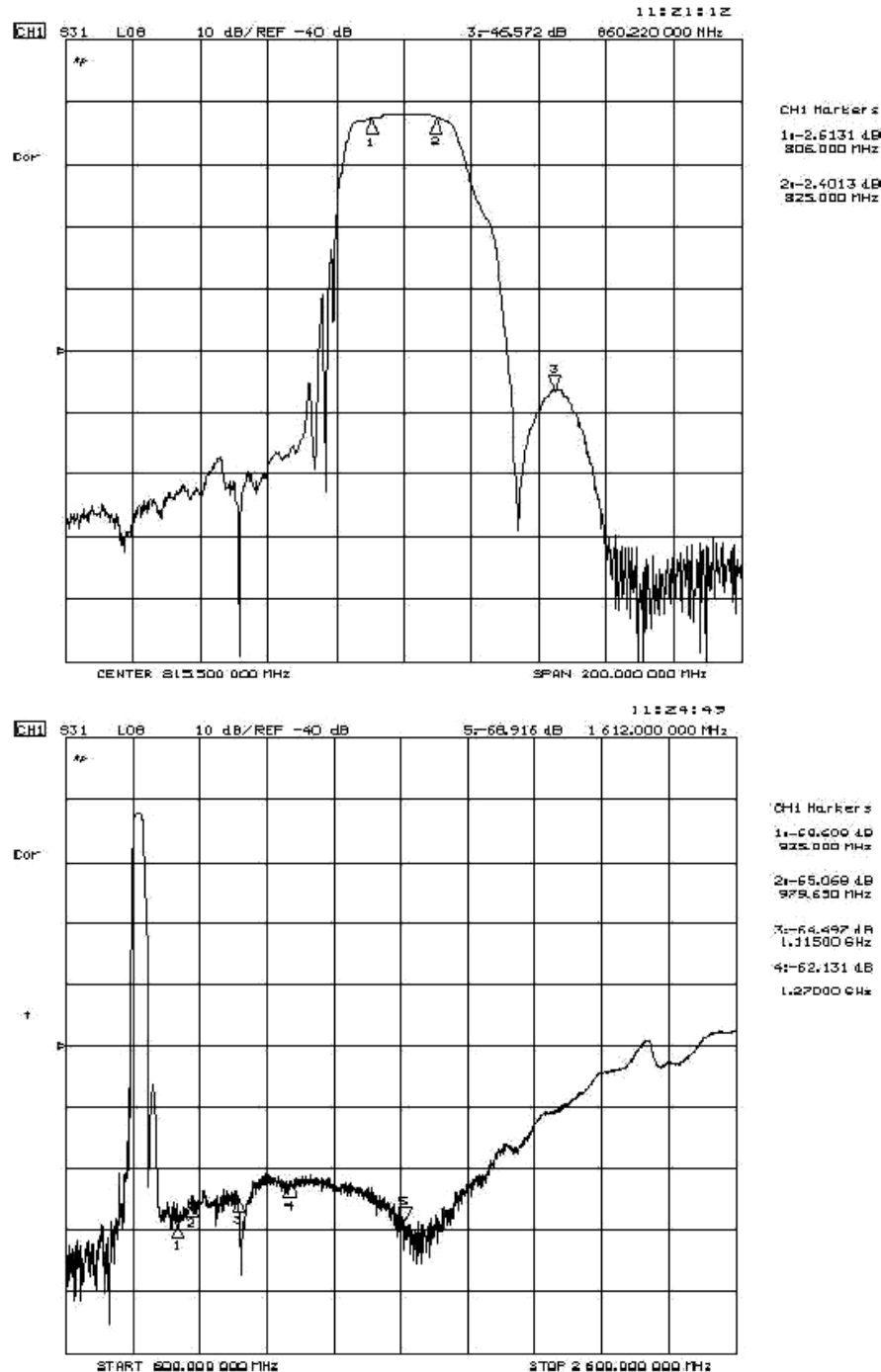
WEB: www.raditek.com, E-mail: sales@raditek.com

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Frequency Characteristics: Transfer function



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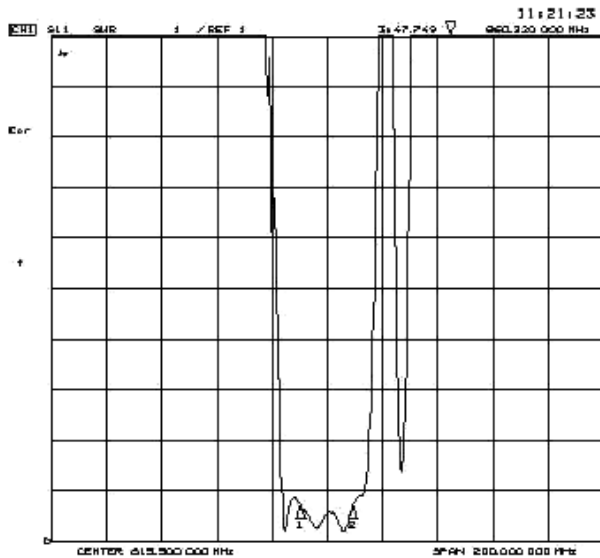
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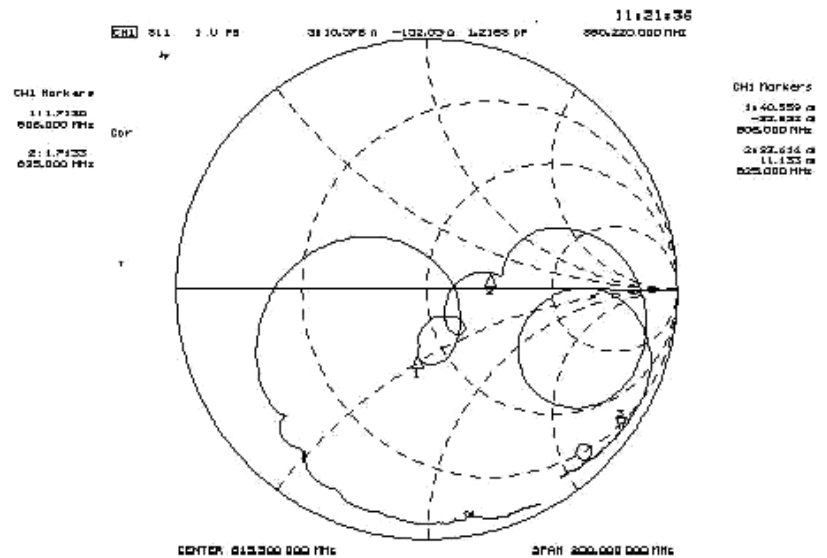
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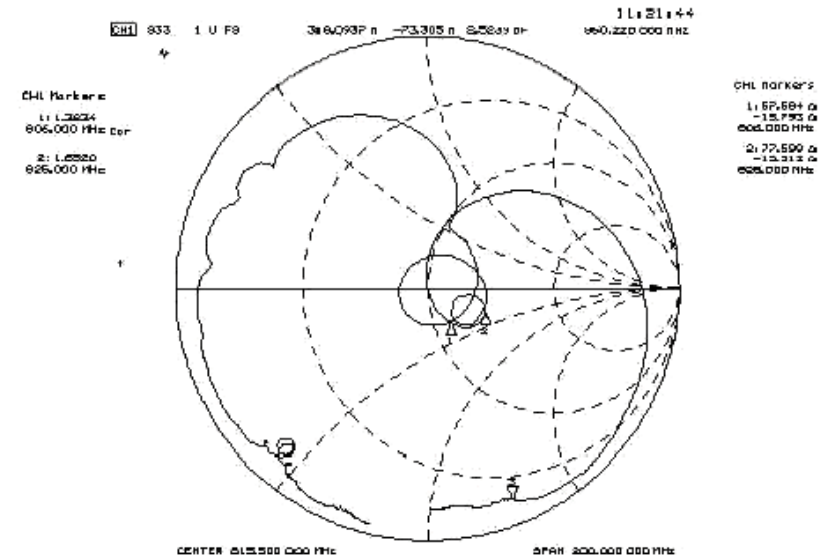
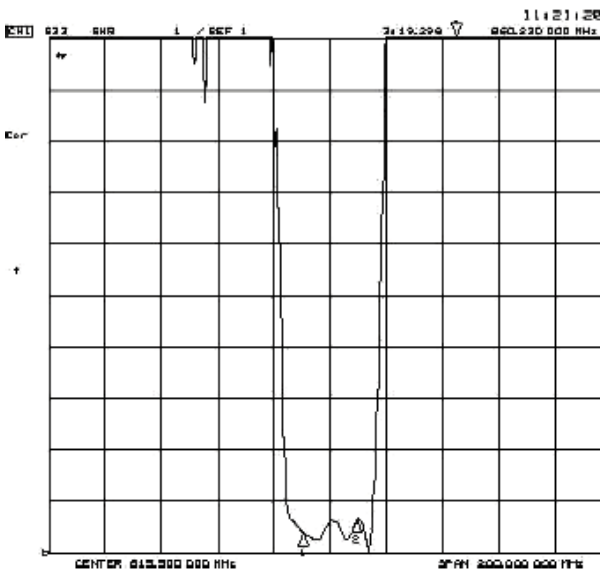
S11 VSWR



Reflections function



S22 VSWR

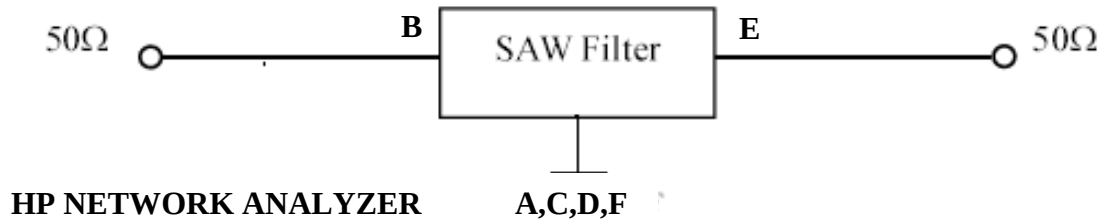


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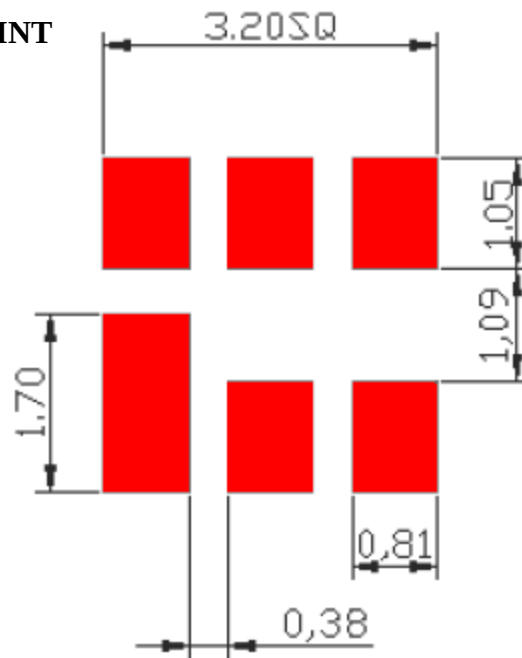
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MEASUREMENT CIRCUIT



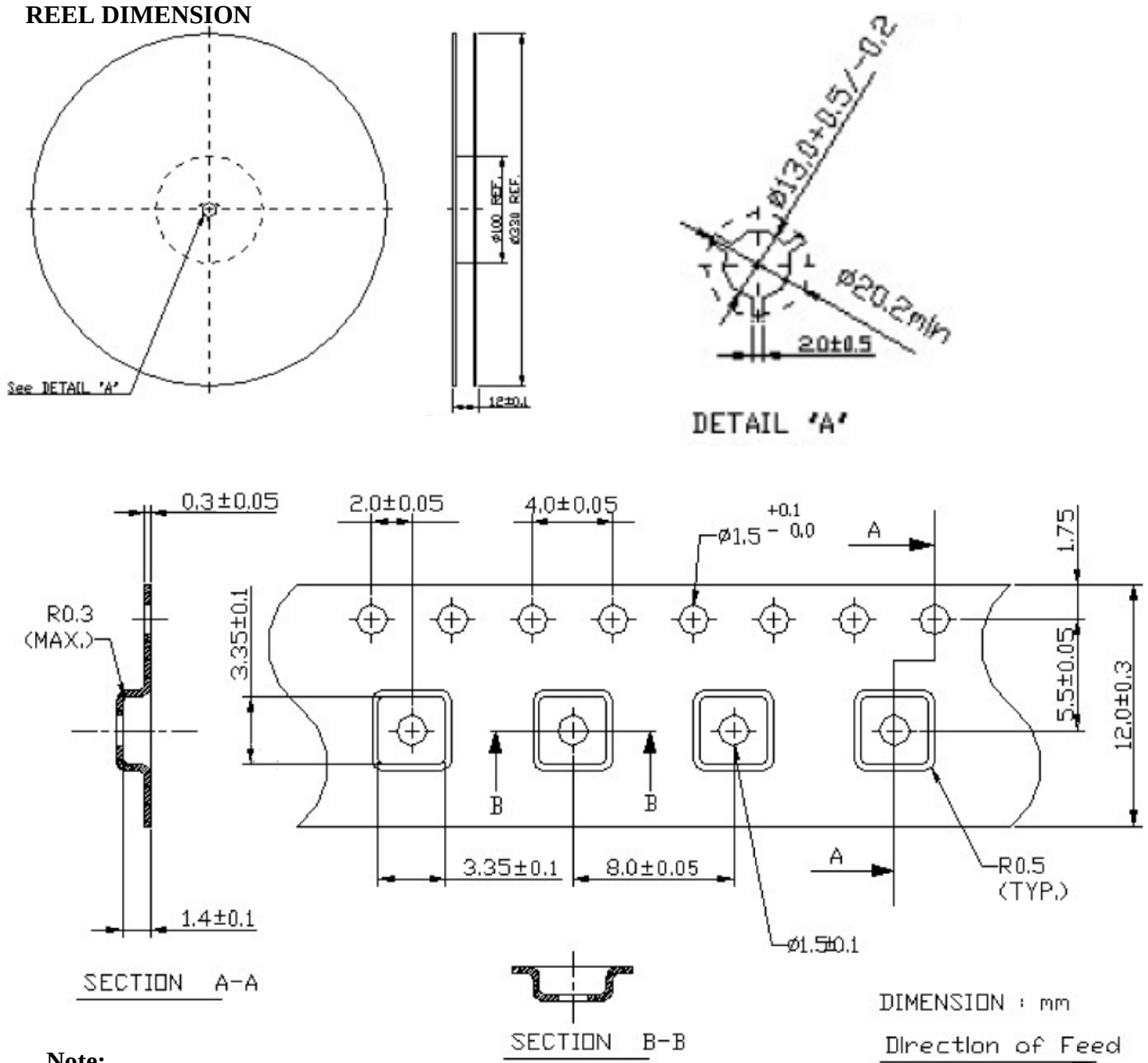
PCB FOOTPRINT



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Note:

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