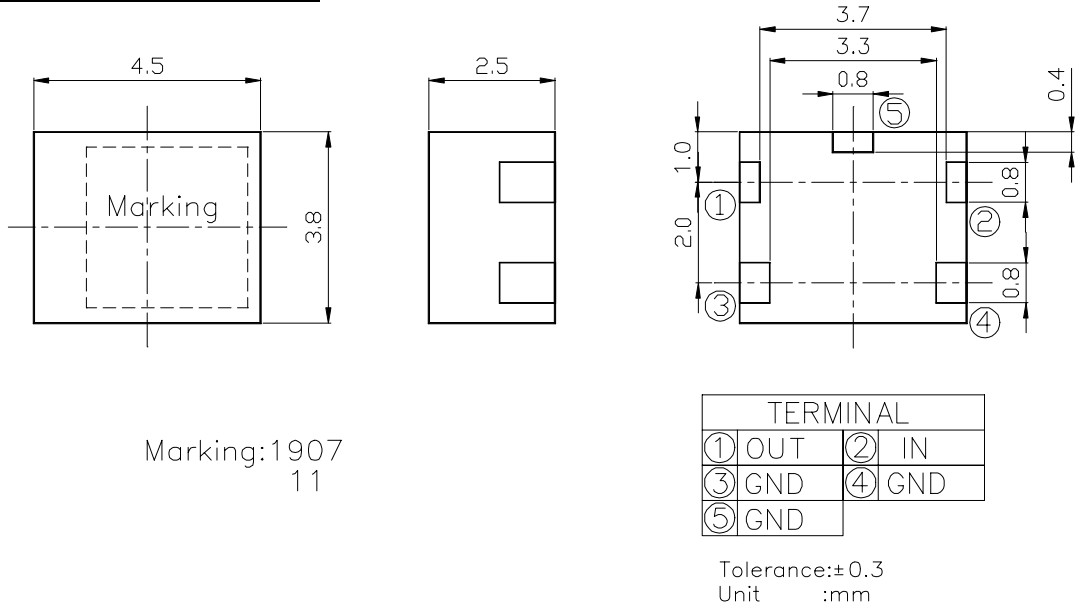


SPECIFICATION OF DIELECTRIC FILTER

TOKO P/No: TDFM3A-1907E-11

1. OUTLINE DIMENSION



Marking:1907
11

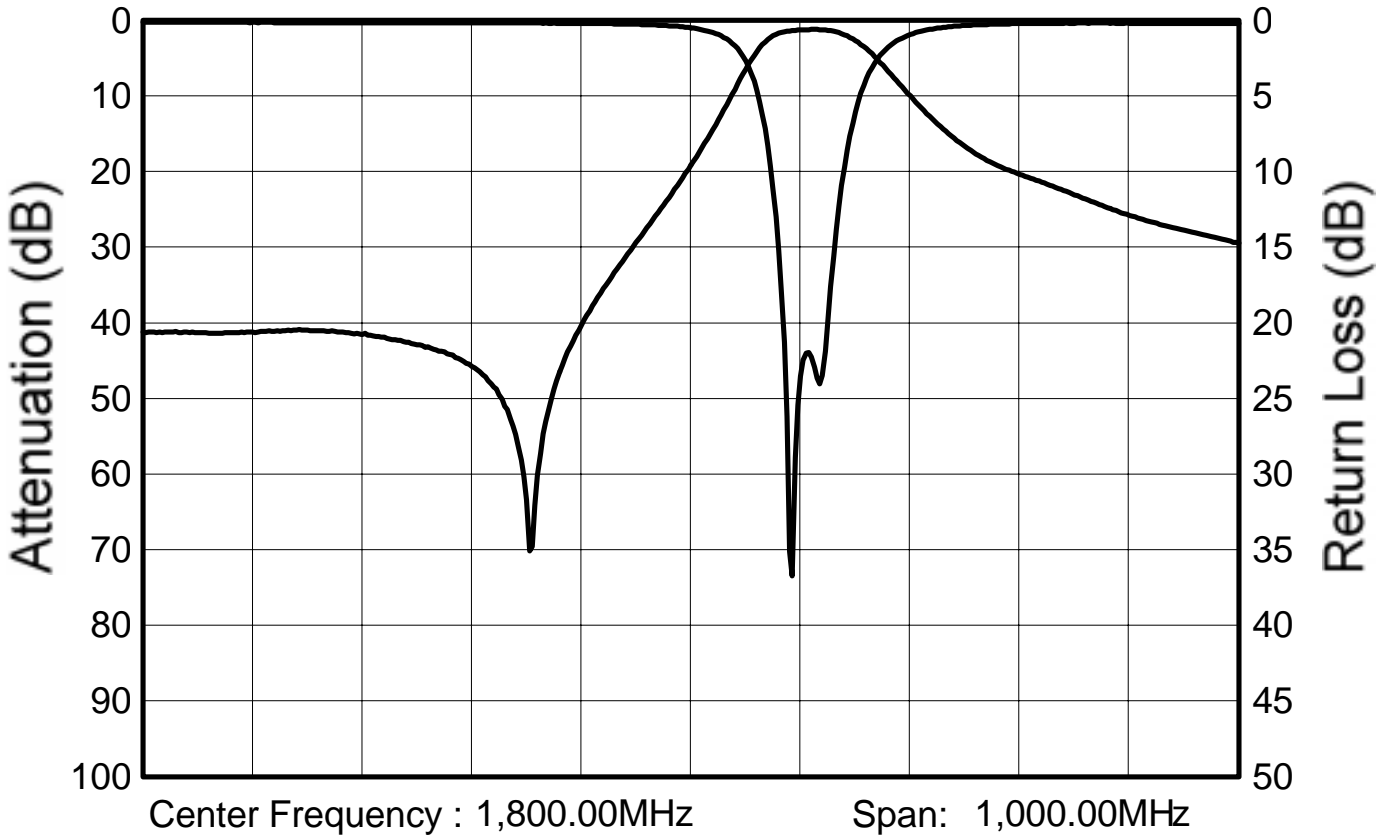
2. ELECTRICAL CHARACTERISTICS

	<u>SPECIFICATION</u>
Center Frequency(Fo)	: 1907.0MHz
Passband Width	: Fo ± 12MHz
Input Output Impedance	: 50 ohm
Insertion Loss in Passband	: 1.6dB max.
Ripple in Passband	: 0.5dB max.
V.S.W.R in Passband	: 1.5 max.
Attenuation	: 35dB min. at 1398~1421MHz
	: 40dB min. at 1645~1670MHz
	: 20dB min. at 2142~2167MHz
	: 25dB min. at 3292~3340MHz
	: 25dB min. at 3790~3836MHz
	: 15dB min. at 4940~5009MHz
	: 15dB min. at 5685~5754MHz

(All specifications are an absolute value.)

Test Data of Dielectric Filter

Toko No. : TDFM3A-1907E-11



Passband Insertion Loss	1.33dB
Passband Ripple	0.10dB
Passband V.S.W.R.	1.17
Attenuation	
at 1,398.00~1,421.00MHz	41.05dB
at 1,645.00~1,670.00MHz	51.33dB
at 2,142.00~2,167.00MHz	22.60dB

Date : 95.10.19

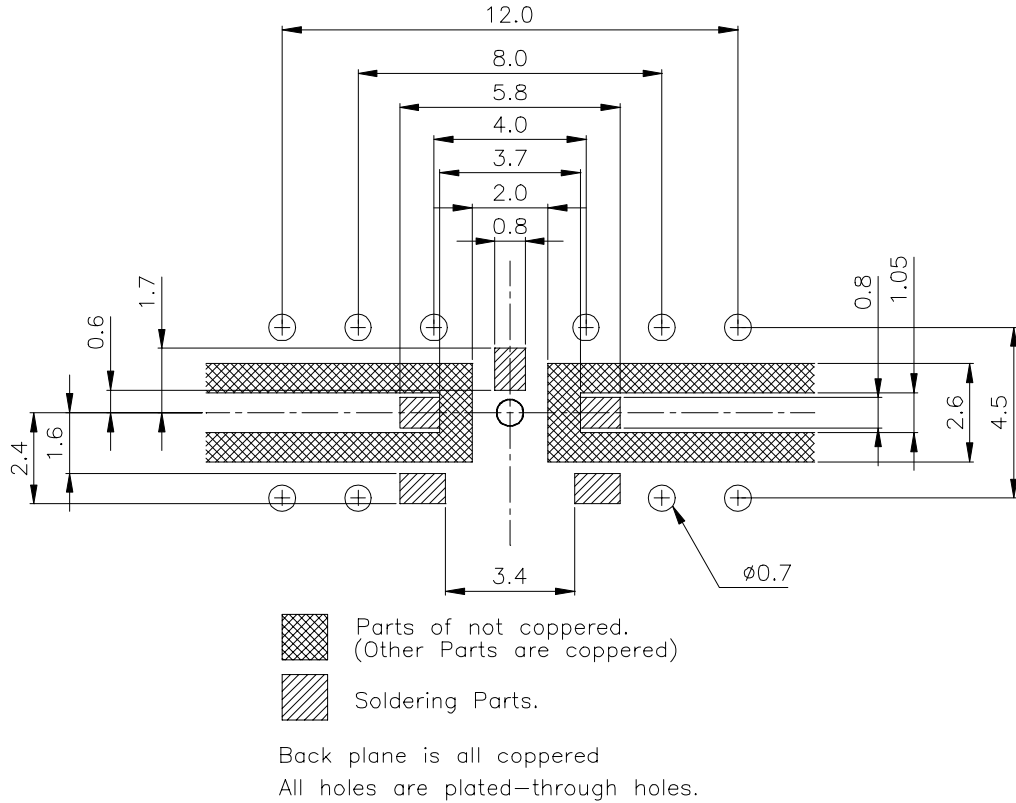
Instrument : WILTRON 37217A



Toko, INC.

PCB Recommended Pattern For Dielectric Filter

TOKO P/No : TDFM3A-1907E-11



SUBSTRATE MATERIAL:

BT Resin CCL-H870 $t=0.4\text{mm}$.

CCL-H870's typical dielectric constant is 3.6 at 1GHz.

CAUTION:

All terminals of this filter are connected to GND.

Therefore, it must be used without DC voltage.