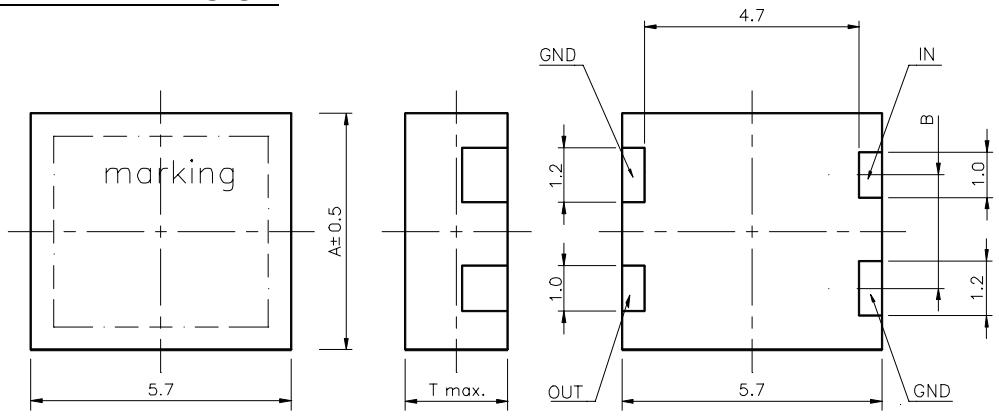
SPECIFICATION OF DIELECTRIC FILTER

TOKO P/No: TDF2A-1575B-12

1. OUTLINE DIMENSION



1△Marking:1575-12
TOKO

A=5.2
B=2.5
T=2.25

Tolerance :±0.3
Unit :mm

2. ELECTRICAL CHARACTERISTICS

Center Frequency (Fo) : 1575.4 MHz
Passband Width : Fo±5.0MHz
Input Output Impedance : 50ohm

Insertion Loss in Passband : 2.7dB max.
Ripple in Passband : 1.0dB max.
V.S.W.R. in Passband : 2.0 max.
Attenuation : 7.0dB min. at Fo±35MHz
Attenuation : 30.0dB min. at Fo-140MHz
Attenuation : 28.0dB min. at Fo+140MHz

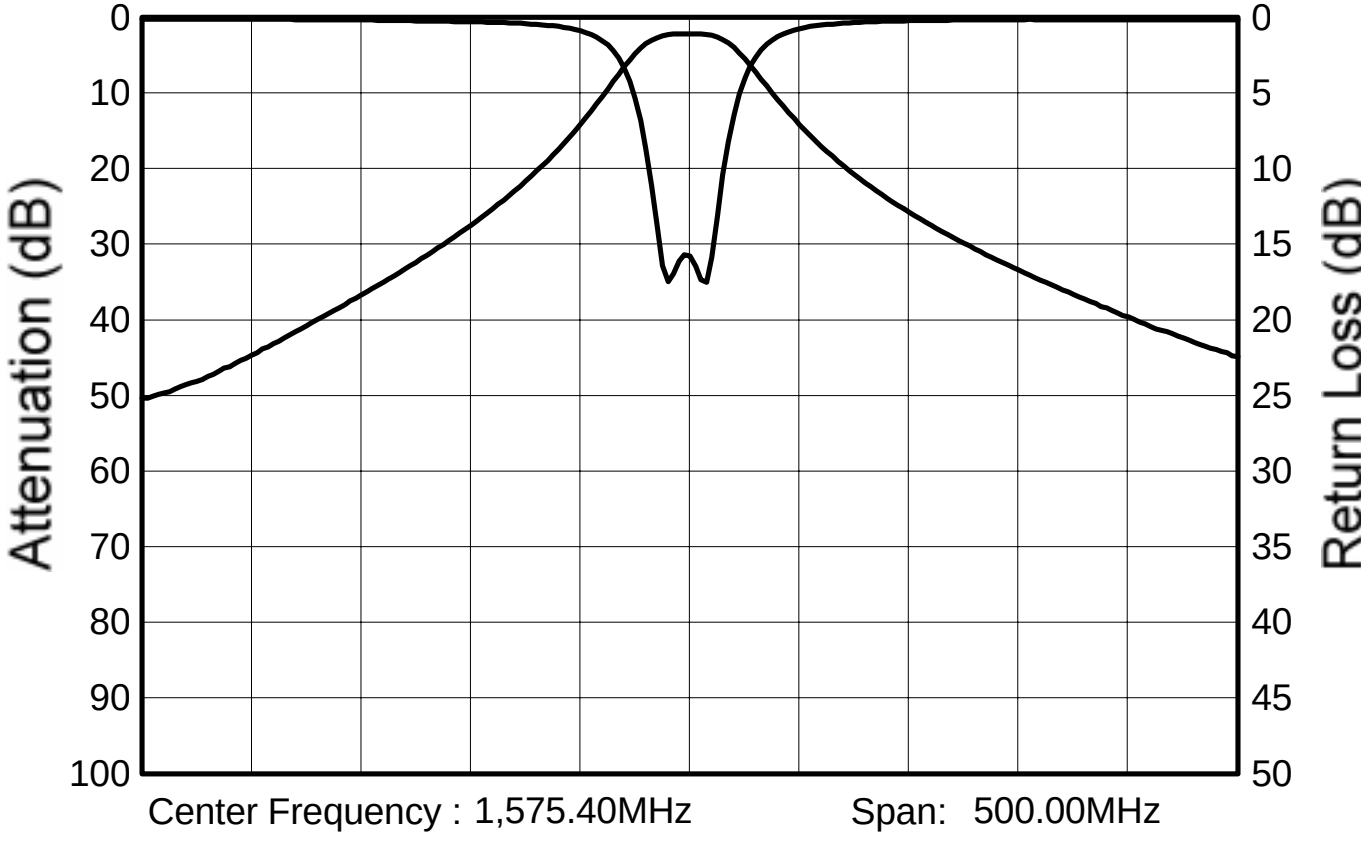
(All specifications are absolute value.)

△2
PRECAUTION
Do not connect terminals to DC voltage.

Rev.2	JUNE.15.1998	Y.Kikuyama
Rev.1	JULY.23.1997	S.Ohtsuka
Orig.	JULY.26.1995	H.Sugita
Issues		Sig.

Test Data of Dielectric Filter

Toko No. : TDF2A-1575B-12



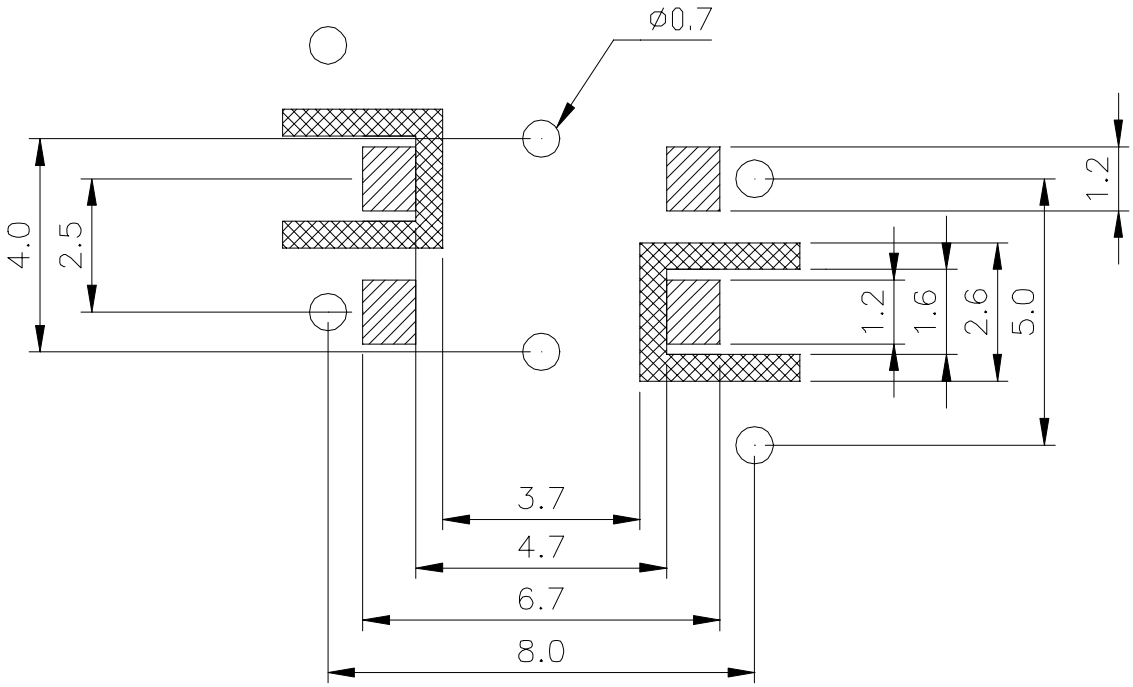
Passband Insertion Loss	2.19dB
Passband Ripple	0.03dB
Passband V.S.W.R.	1.39
Attenuation at 1,435.40MHz at 1,540.40MHz at 1,610.40MHz at 1,715.40MHz	 35.00dB 8.49dB 9.08dB 32.06dB

Date : 95.12.25
Instrument : WILTRON 37217A

Toko, INC.

PCB Recommended Pattern For Dielectric Filter

TOKO P/No : TDF2A-1575B-12



Parts of not coppered.
(Other parts are coppered)

Soldering parts.

Back plane is all coppered.
All holes are plated–through holes.

SUBSTRATE MATERIAL:

BT Resin CCL-H870 t=0.9mm.

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

CAUTION:

All terminals of this filter are connected to GND.

Therefore, it mast be used without DC voltage.

TOKO,INC.