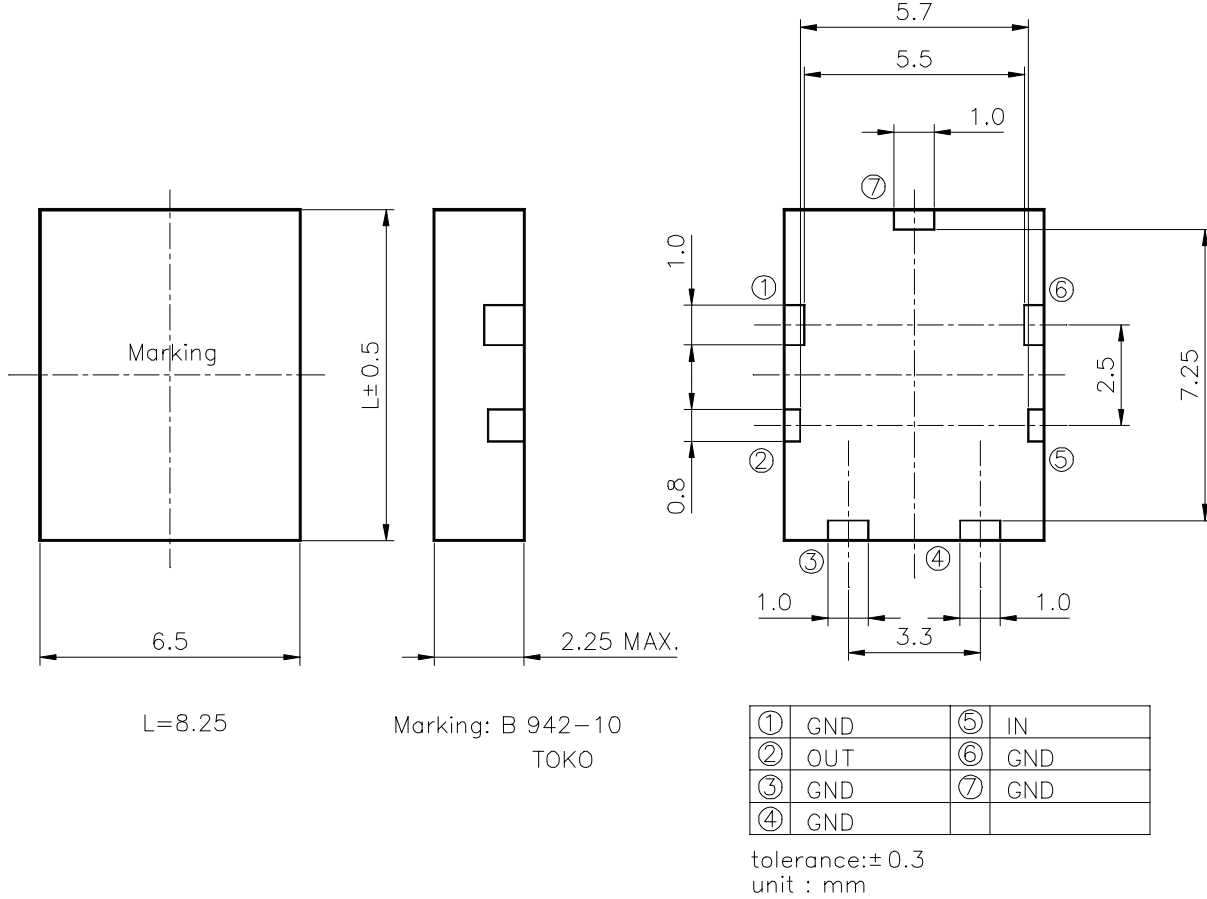


SPECIFICATION OF TDFM2B DIELECTRIC FILTER (PRELIMINARY)

TOKO P/N: TDFM2B-942G-10

1. OUTLINE DIMENSION



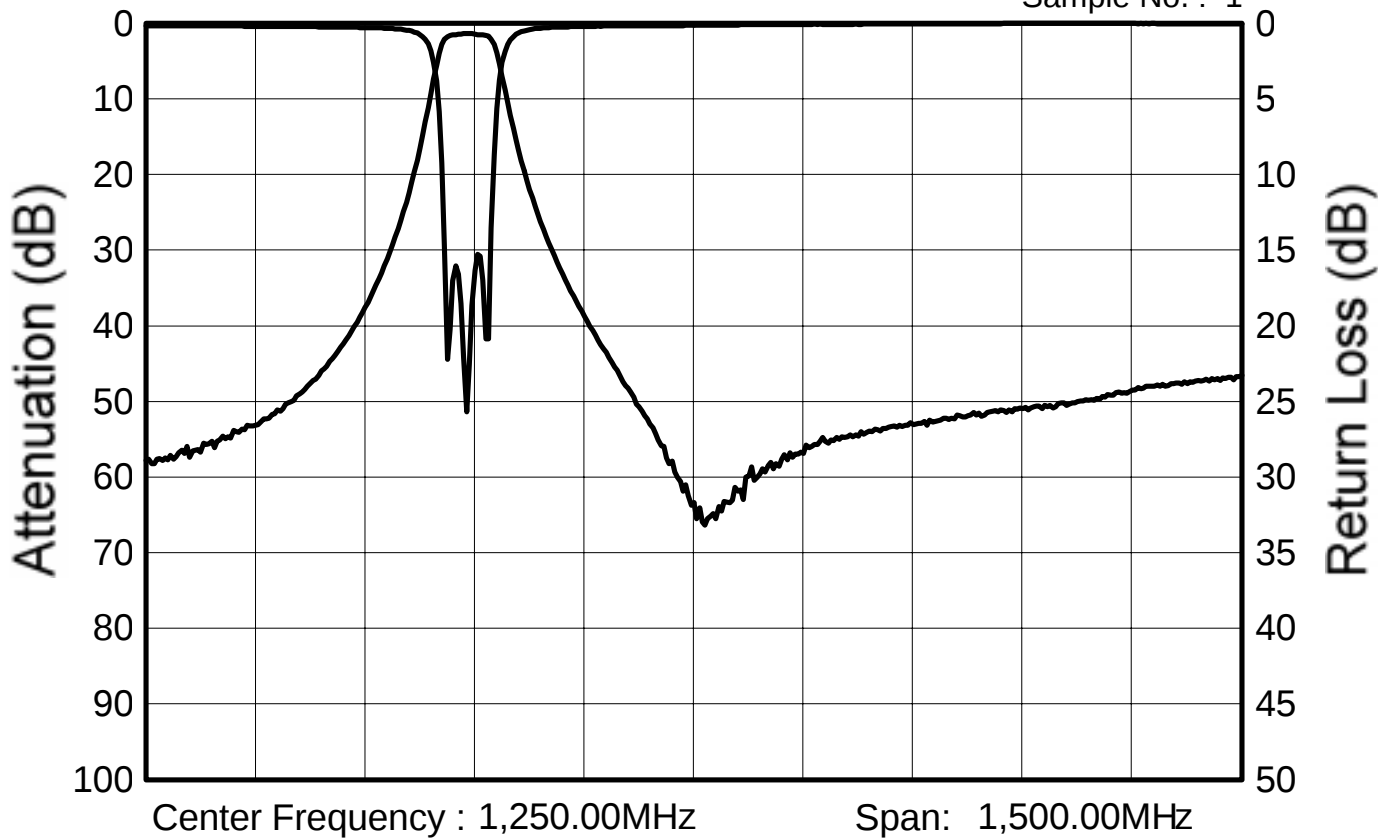
2. ELECTRICAL CHARACTERISTICS

SPECIFICATION			
CENTER FREQUENCY (Fo)	:	942.5	MHz
PASS BAND WIDTH	:	Fo ± 17.5	MHz
INSERTION LOSS IN PASS BAND	:	2.5dB	max.
RIPPLE IN PASS BAND	:	0.5dB	max. ¹
V.S.W.R IN PASS BAND	:	2.0	max.
ATTENUATION			
830 MHz	at 795 —	:	20.0dB min.
885 MHz	at 870 —	:	6.0dB min.
1090 MHz	at 1055 —	:	21.0dB min. ²
1220 MHz	at 1185 —	:	45.0dB min.
1920 MHz	at 1850 —	:	30.0dB min.
IN/OUT IMPEDANCE	:	50	ohm

Test Data of Dielectric Filter

Toko No. : TDFM2B-942G-10

Sample No. : 1



Passband Insertion Loss	1.52dB
Passband Ripple	0.17dB
Passband V.S.W.R.	1.42
Attenuation	
at 795.00~830.00MHz	31.16dB
at 870.00~885.00MHz	11.83dB
at 1,055.00~1,090.00MHz	29.94dB
at 1,185.00~1,220.00MHz	52.15dB
at 1,850.00~1,920.00MHz	47.49dB

Date : 97.08.28

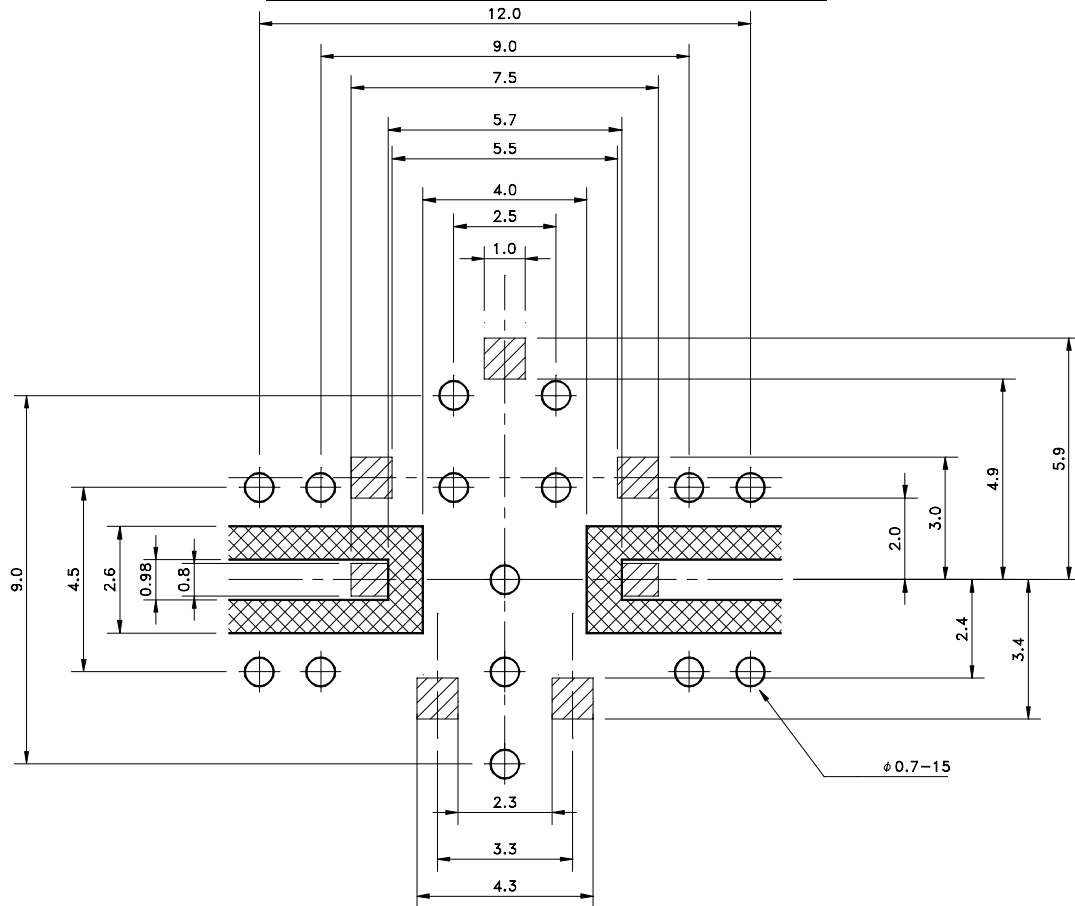
Instrument : WILTRON 37217B



Toko, INC.

PCB Recommended Pattern For Dielectric Filter

TOKO P/No : TDFM2B-942G-10



-  PARTS OF NOT COPPERD
(OTHER PARTS ARE COPPERED)
-  SOLDERING PARTS

SUBSTRATE MATERIAL:

BT RESIN CCL-H870 t=0.4mm

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

PRECAUTION

Do not connect terminals to DC voltage.