

SPECIFICATION OF ANTENNA DUPLEXER

(PRELIMINARY)

TOKO P/No: TDPF-1765F-10

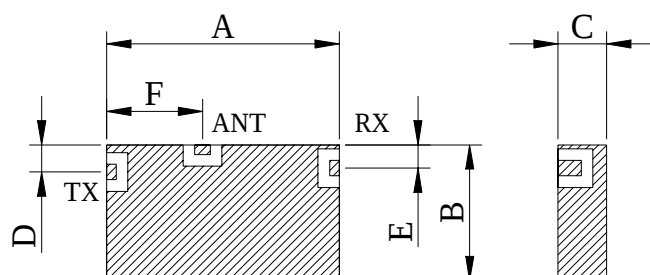
1. OUTLINE DIMENSION

tolerance : ± 0.3

unit : mm

A: 12.0 $\pm$ 0.2 B: 7.0 C: 2.5 $\pm$ 0.2

D: 1.4 E: 1.2 F: 4.95



2. ELECTRICAL CHARACTERISTICS

SPECIFICATION

	TX to ANT	ANT to RX
CENTER FREQUENCY (Fo)	1765.0 MHz	1855.0 MHz
PASS BAND WIDTH	Fo $\pm$ 15.0 MHz	Fo $\pm$ 15.0 MHz
INSERTION LOSS IN PASS BAND	2.0dB max(@25°C) 2.2dB max(-30 to 85°C)	3.0dB max(@25°C) 3.3dB max(-30 to 85°C)
RIPPLE IN PASS BAND	1.1dB max.	1.5dB max.
V.S.W.R. IN PASS BAND	1.9 max	1.9 max.
ATTENUATION (absolute value)		
1750 - 1780 MHz		51.0dB min.
1840 - 1870 MHz	40.0dB min.	
INPUT POWER	1.0 W	
ISOLATION (absolute value) TX to RX		
1750 - 1780 MHz	52.0dB min.	
1840 - 1870 MHz	41.0dB min.	
IN/OUT IMPEDANCE	50 ohm	

These filters were measured on a PC board in Toko standard test jig.

The insertion loss of Toko standard test jig is excluded in these specifications.

The insertion loss of Toko standard test jig : 0.1dB

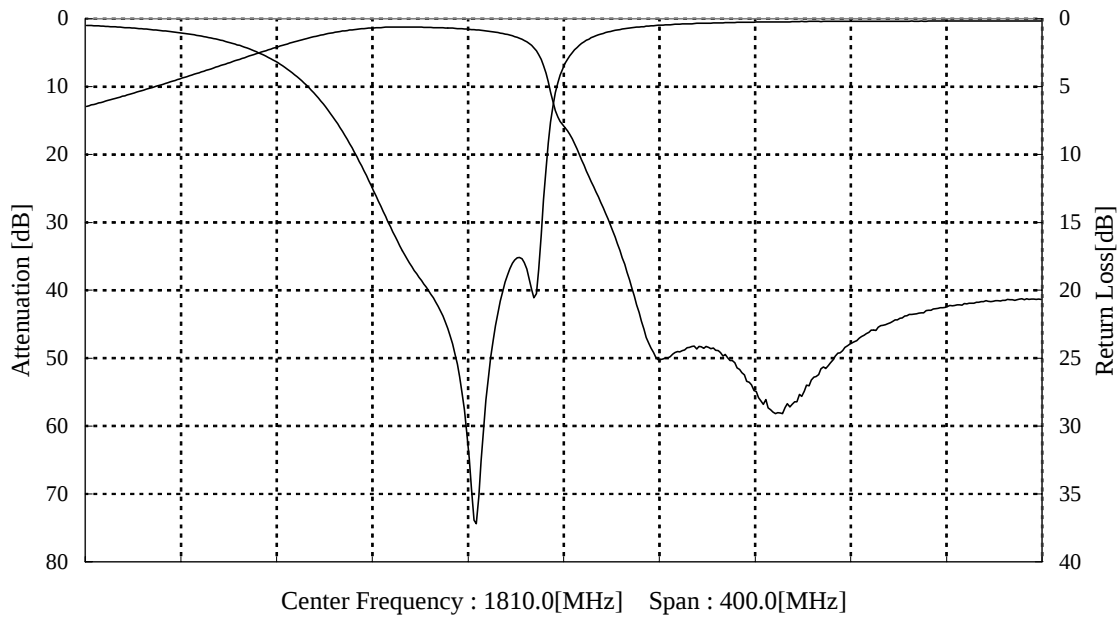
PRECAUTION

Do not connect terminals to DC voltage.

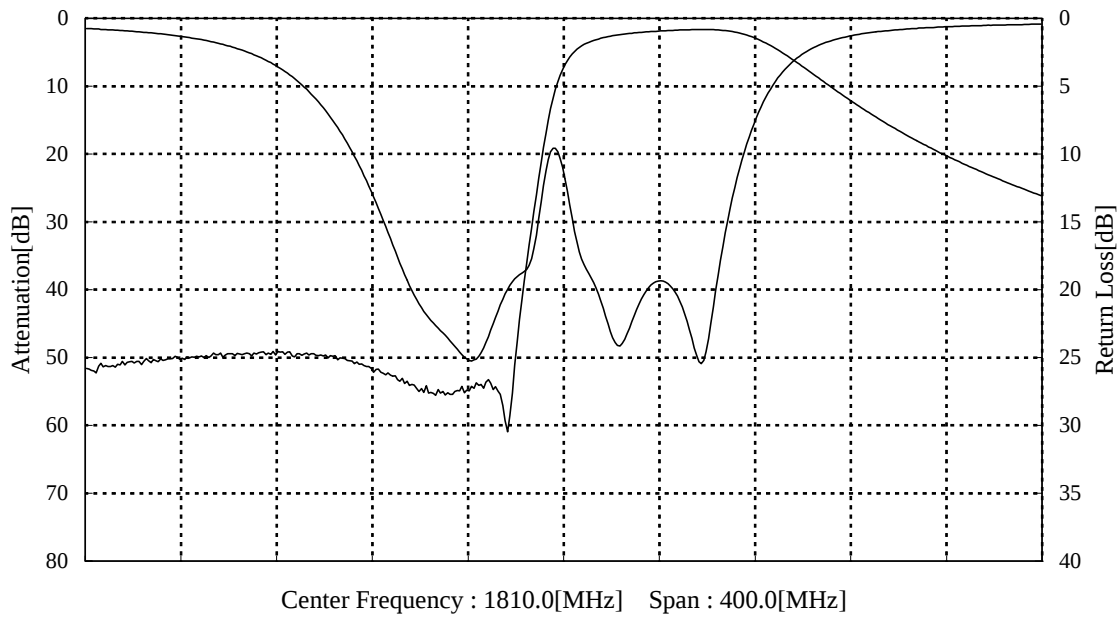
2nd.		
1st.		
Orig.	2000-09-14	H.NAKAMURA
Issues		Sig.

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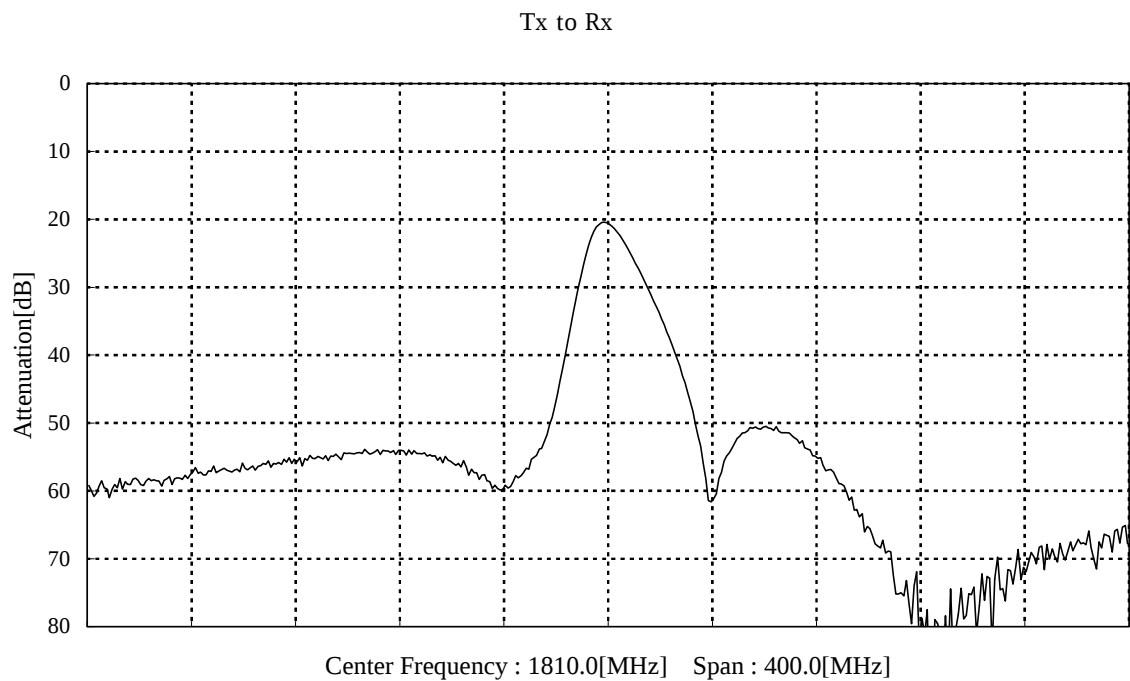
Tx to Ant



Ant to Rx



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	TX to ANT	ANT to RX
INSERTION LOSS IN PASS BAND	1.83 dB	2.02 dB
RIPPLE IN PASS BAND	0.68 dB	0.48 dB
V.S.W.R. IN PASS BAND	1.25	1.24
ATTENUATION (absolute value)		
1750 - 1780 MHz		53.26 dB
1840 - 1870 MHz	42.05 dB	
ISOLATION (absolute value) TX to RX		
1750 - 1780 MHz		55.35 dB
1840 - 1870 MHz		45.45 dB

These measurement value don't include TOKO standard test jig insertion loss (0.1dB).