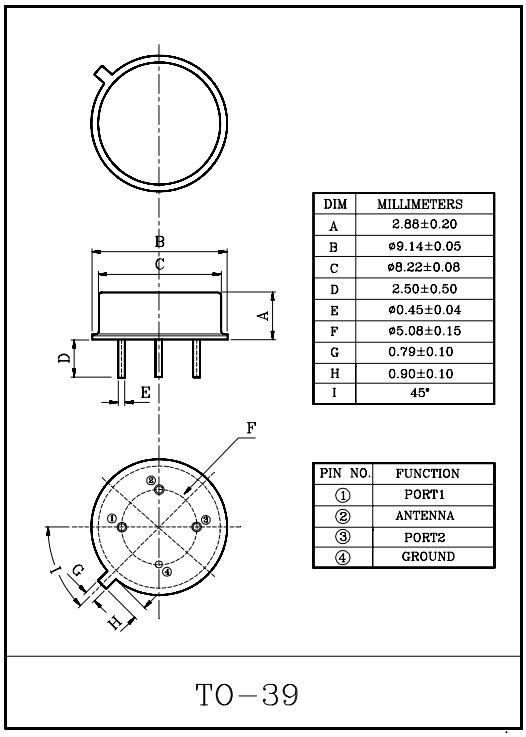
RF Duplexer for Cordless phone (CT-1)

- High stability and reliability with good performance and no adjustment.
- Wide and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.



DIM	MILLIMETERS
A	2.88±0.20
B	ø9.14±0.05
C	ø8.22±0.08
D	2.50±0.50
E	ø0.45±0.04
F	ø5.08±0.15
G	0.79±0.10
H	0.90±0.10
I	45°

PIN NO.	FUNCTION
①	PORT1
②	ANTENNA
③	PORT2
④	GROUND

TO-39

MAXIMUM RATINGS (Ta=25℃)

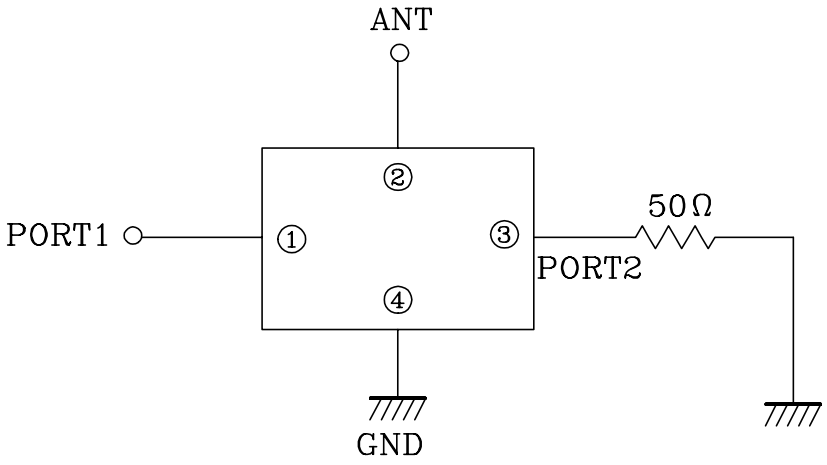
ITEM	SYMBOL	RATING	UNIT
Input Signal Level	IS_{max}	17	dBm
DC Permissive Voltage	V_{DC}	3	V
Operating Temperature Range	T_{opr}	0~+60	℃
Storage Temperature Range	T_{stg}	-40~+85	℃

ELECTRICAL CHARACTERISTICS (Temperature 25±2℃, Humidity 65±5%)

ITEMS	SYMBOL	PORT 1				PORT 2				UNIT
		TEST CONDITION	MIN.	TYP.	MAX.	TEST CONDITION	MIN.	TYP.	MAX.	
Center Frequency	fo	-	-	959.5	-	-	-	914.5	-	MHz
Bandwidth	BW_{3dB}	-	f_O±0.5	-	-	-	f_O±0.5	-	-	MHz
Insertion Loss	IL_{PASS}	f_O±0.5MHz	-	-	4.0	f_O±0.5MHz	-	-	4.0	dB
Ripple Level	A_{RIP}	f_O±0.5MHz	-	-	1.5	f_O±0.5MHz	-	-	1.5	dB
Rejection Level	IL_{STOP}	450.00~850.00MHz	45	-	-	450.00~850.00MHz	45	-	-	dB
		850.00~917.20MHz	37	-	-	850.00~872.20MHz	41	-	-	dB
		917.20~938.60MHz	30	-	-	872.20~893.60MHz	28	-	-	dB
		938.60~949.30MHz	5	-	-	893.60~904.30MHz	5	-	-	dB
		969.70~972.80MHz	8	-	-	924.70~928.50MHz	11	-	-	dB
		972.80~980.40MHz	17	-	-	928.50~935.40MHz	20	-	-	dB
		980.40~981.40MHz	32	-	-	935.40~936.40MHz	32	-	-	dB
		981.40~1001.80MHz	26	-	-	936.40~956.80MHz	27	-	-	dB
		1001.80~1002.80MHz	28	-	-	956.80~959.00MHz	32	-	-	dB
		1015.00~1050.00MHz	40	-	-	959.00~1000.00MHz	37	-	-	dB
		1050.00~1350.00MHz	45	-	-	1000.00~1350.00MHz	42	-	-	dB
		1350.00~1800.00MHz	32	-	-	1350.00~1800.00MHz	32	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$	-	-	50Ω	-	-	-	50Ω	-	-

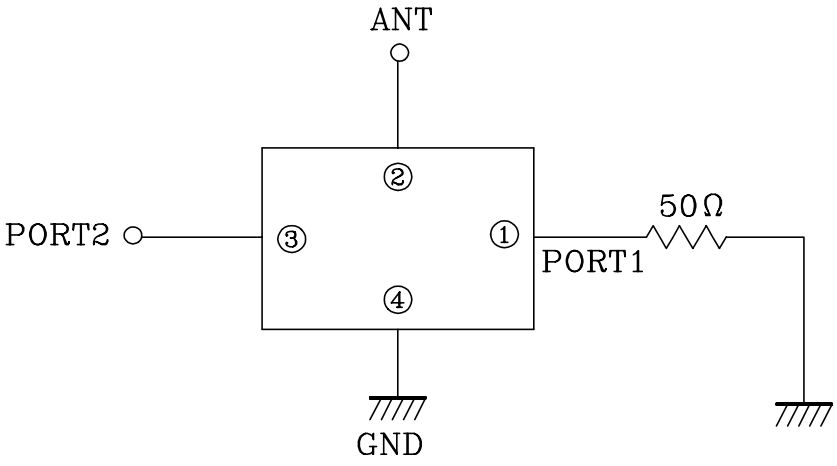
MEASUREMENT CIRCUIT

(1) BETWEEN PORT1 AND ANTENNA



① PORT1 ② ANT ③ PORT2 ④ GND

(2) BETWEEN PORT2 AND ANTENNA



① PORT1 ② ANT ③ PORT2 ④ GND