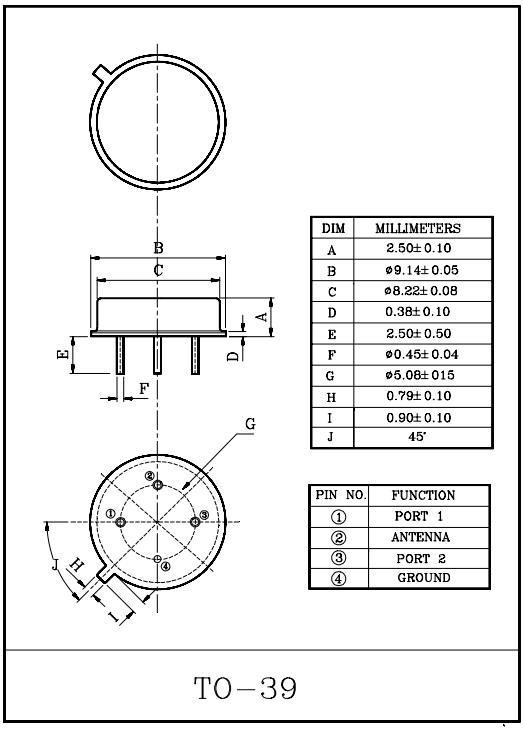
RF Duplexer for Cordless phone (CIS)

- 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	2.50± 0.10
B	ø9.14± 0.05
C	ø8.22± 0.08
D	0.38± 0.10
E	2.50± 0.50
F	ø0.45± 0.04
G	ø5.08± 015
H	0.79± 0.10
I	0.90± 0.10
J	45°

PIN NO.	FUNCTION
①	PORT 1
②	ANTENNA
③	PORT 2
④	GROUND

TO-39

MAXIMUM RATINGS (Ta=25℃)

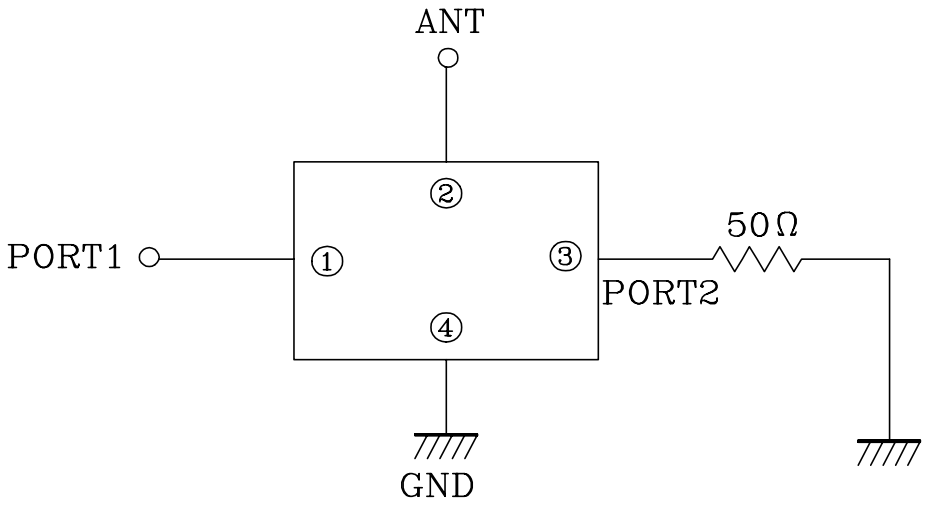
ITEM	SYMBOL	RATING	UNIT
Input Signal Level	IS_{max}	17	dBm
DC Permissive Voltage	V_{DC}	3	V
Operating Temperature Range	T_{opr}	0~+60	℃
Storage Temperature Range	T_{stg}	-40~+85	℃

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	-	-	904.5	-	-	-	814.5	-	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}	450.00~795.00MHz	45	-	-	450.00~749.50MHz	45	-	-	dB
		795.00~861.70MHz	37	-	-	749.50~771.70MHz	41	-	-	dB
		861.70~883.10MHz	30	-	-	771.70~793.10MHz	28	-	-	dB
		883.10~893.80MHz	5	-	-	793.10~800.80MHz	5	-	-	dB
		914.2~917.30MHz	8	-	-	824.20~828.00MHz	11	-	-	dB
		917.30~924.90MHz	17	-	-	828.00~834.90MHz	20	-	-	dB
		924.90~925.90MHz	32	-	-	834.90~835.90MHz	32	-	-	dB
		925.90~946.30MHz	26	-	-	835.90~856.30MHz	27	-	-	dB
		946.30~947.30MHz	28	-	-	856.30~858.50MHz	32	-	-	dB
		959.50~994.50MHz	40	-	-	858.50~1000.00MHz	37	-	-	dB
		994.50~1350.00MHz	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	-	-

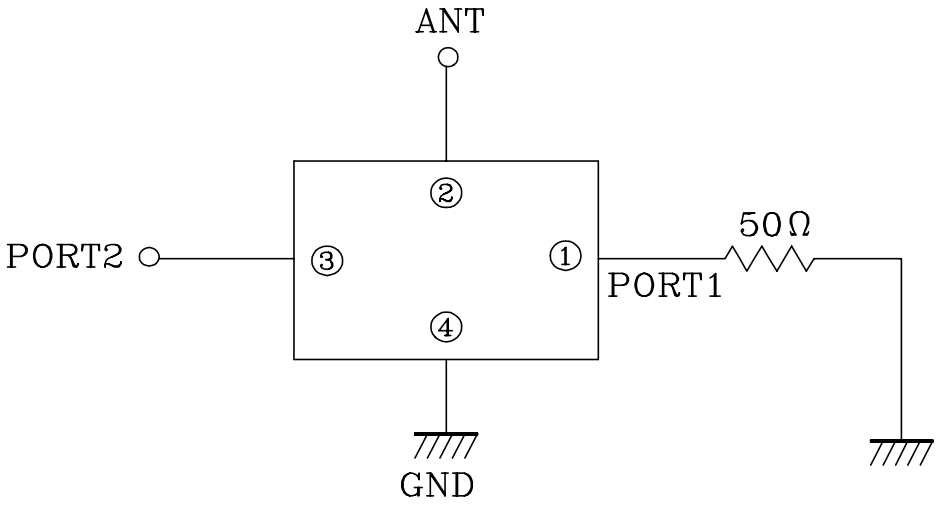
MEASUREMENT CIRCUIT

(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