

高频头调谐器Tuner 902T315-20

产品名称	高频头调谐器Tuner 902T315-20
公司名称	深圳市中龙通电子科技有限公司
价格	面议
规格参数	品牌:CDT 型号:CDT-902T315-20
公司地址	深圳市宝安区沙井街道南埔路蚝三林坡坑第一工业区B4栋
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产品详情

1.接收制式：

receiving system: dvb-t , dvb-t2

2.工作条件

operation conditions

no.	parameter	min.	typ.	max.	remark
1	supply voltage (v)	3.2	3.3	3.4	ripple 50mv
2	supply current (ma)		200		
3	ambient temperature (° c)	0		60	
4	relative humidity (%)			80	

3 . 测试条件

standard test conditions

no.	parameter	min.	typ.	max.	remarks
1	ambient temperature (° c)	23	25	27	

2	relative humidity (%)	50	60	70	
3	supply voltage (v)	3.2	3.3	3.4	
4	rf input termination (?)		75		

4. esd protection specification

tuner will be packed with anti - static poly foam to prevent the esd damage. do not touch the tuner pins before grounding yourself. anyone handling the tuner must wear a properly grounded anti - static discharge bracelet.

4-1. rf connector

test is performed with a voltage discharge from a 150pf capacitor over a 330 Ω series resistance in the discharge path. there is a direct contact between the test probe head and the rf connector with ± 8 kvdc.

4-2. module pins

test is performed with a voltage discharge from a 150pf capacitor over a 330 Ω series resistance in the discharge path. there is a direct contact between the test probe head and pin 1 through 11 with 3 successive esd discharges of ± 2 kvdc.

5.电气特性

electrical specification

5-1 general characteristics

parameter	min	typ	max	unit
rf frequency	44	-	1002	mhz
input return loss	-	8	-	db

rf input impedance	-	75	-	ohm
voltage gain	91	94	-	db
tuneragg gain range	105	115	-	db
tuner noise figure	-	6.5	-	db
output 1db compression	-	110	114	dbuv
3rd-order in-band intermod intercept(gain=50 db)	-31	-26	-	dbm
phase noise				
1khz	-	-	-80	dbc/h
10 khz	-	-	-90	dbc/h
100 khz	-	-	-105	dbc/h
channel switching time	-	-	50	ms

5-2 loop-through characteristics

parameter	min	typ	max	unit
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loop-through rf frequency	44	-	885	mhz
input return loss	-	6	-	db
loop-through gain variation	-1	-	3	db
loop-through noise figure	-	7.5	-	db

module pin define

pin	function	description
1.	ant power	power supply for active antenna
2.	nc	nc
3.	vcc1	+3.3 volt nominal
4.	sda	i2c bus data
5.	scl	i2c bus clock
6.	nc	nc
7.	if_agc	if agc input
8.	if_n	digital if output 1
9.	if_p	digital if output 2

机械结构图

本产品的加工定制是是，品牌是CDT，型号是CDT-902T315-20，种类是调谐器