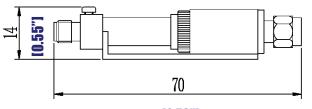


HIGH F	OWER PHASE SHIFTER
Help	RFPSHT0006W8
Help	KFPSH10000 vvð





[2.76"]

5

4

IS						
		PAGE 1 OF	1		DATE Oct 8th 2006	٦,
	PROP	PROPRIETARY INFOF NFORMATION CONTAINED IN THI VERTY OF RF-LAMBDA EXCEPT A ORIZED IN WRUTUBG BT RF-LAM	S DOCUMENT S SPECIFICAL IBDA. THE HO	LY LDER OF	DESIGN RFPC	
	HERE WHOL	DOUCUMENT: SHALL KEEP ALL IN IN CONFIDENTIAL AND SHALL PF E OR IN PART FROM DISCLOSU L THIRD PARTIES AND SHALL U ATING AND MAINTENANCE PURP	OTECT SAME RE AND DISSE SE SAME FOR	IN THE MINATION	RF-LAMBDA RFPC	
OFFICE OFFICE	E				CAD MODEL REVISION 10	1
egree 2KHz)	9	RFPSH1 HIHG P			ASSEMBLY REVISION VS52	
5c, 95%RH at 40		PHASE	SHIFT	ER	ASSEMBLY NAME RFLVR07	
	www	v.rflambda.com			DRAWING NUMBER D05-A	0
,	RF	-LAMBDA	SIZE LT	SHEETS 1	OF 1	
М	N	Р	1	0		

1ath / Mem							Data>>M	em D	ata / Mem	Dat	a	Mem on/OFI
11		° \$21				- 1			1:		00 GHz	1.0469
2000/	180.00			-					2.		00 GHz	1.0597
00U SWR	135.00		-	-	_				3:	2.0000		1.0368
21	90.00								4:		00 GHZ	1.0197
5.00%									1:		00 GHz	-20.009 *
00° Phase	45.00			-					2:		00 GHz	-30.015 *
	0.00										OD GH2	-40.085 ^
	45.00					<u> </u>			34	2,5000	00 GHz	-49.944 °
							2		5:	3.0000	00 [°] BHz	-60,160 %
	-90.00			-						-	4	
	-135.00			-	_							_
						-		_				
	-180.00 -225.00 Ch1: S	art 10.00	00 MHz				2		3		4 Stop	3.00000 GHz
	-225.00 Ch1: S		00 MHz				1				Stop	3.00000 GHz
12	-225.00 Ch1: S	art 10.00	00 MHz				2		1:		Stop	-20.113 *
5.00%	-225.00 Ch1: S		00 MHz				2		1:	1.5000	Stop 00 GHz	-20.113 *
5.00%	-225.00 Ch1: S		00 MHz						1: 2. 3:	1,5000	Stop 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 *
5.00 °/ 00 * Phase 22	-225.00 Ch1: \$ 225.00 180.00		00 MHz						1: 2. 3: 4:	1.5000 2.0000 2.5000	Stop 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 * -50.283 *
5.00 ^{*/} 00* Phase 22 200U/	-225.00 Ch1: S 225.00 180.00 135.00 90.00		00 MHz						1: 2. 3:	1.5000 2.0000 2.5000 3.0000	Stop 00 GHz 00 GHz 00 GHz	-20.113 * -30.086 * -40.173 * -50.283 * -80.576 *
5.00 ^{*/} 00* Phase 22 200U/	-225.00 Ch1: \$ 225.00 180.00 135.00 90.00 45.00		00 MHz						1: 2. 3: 4: >5.	1.5000 2.0000 2.5000 3.0000 1.0000 1.5000	Stop 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.068 -40.173 * -50.283 *
5.00 ^{*/} 00* Phase 22 200U/	-225.00 Ch1: S 225.00 180.00 135.00 90.00		00 MHz						1: 2: 3: 4: 5: 1: 2: 8:	1.5000 2.0000 3.0000 1.0000 1.5000 2.0000	Stop 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 * -50.283 * -80.578 1.0917 1.0956 1.0558
5.00 ^{*/} 00* Phase 22 200U/	-225.00 Ch1: S 225.00 130.00 135.00 90.00 45.00 0.00		00 MHz						1: 2: 3: 4: >5: 1: 2: 3: 4:	1.5000 2.5000 3.0000 1.0000 1.5000 2.0000 2.5000	Stop 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 * -50.283 * -80.578 1.0917 1.0956 1.0558 1.0078 *
5.00 ^{*/} 00* Phase 22 200U/	-225.00 Ch1: S 225.00 180.00 135.00 90.00 45.00 0.00 -45.00		00 MHz						1: 2: 3: 4: 5: 1: 2: 8:	1.5000 2.5000 3.0000 1.0000 1.5000 2.0000 2.5000	Stop 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 * -50.283 * -80.578 1.0917 1.0956 1.0558
5.00 ^{*/} 00* Phase 22 200U/	225.00 Ch1: S 225.00 180.00 135.00 90.00 45.00 0.00 -45.00 -90.00		000 MHz				2		1: 2: 3: 4: >5: 1: 2: 3: 4:	1.5000 2.5000 3.0000 1.0000 1.5000 2.0000 2.5000	Stop 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 * -50.283 * -80.578 1.0917 1.0956 1.0558 1.0078 *
5.00 ^{*/} .00* Phase 22 .2000/	-225.00 Ch1: S 225.00 180.00 135.00 90.00 45.00 0.00 -45.00		00 MHz						1: 2: 3: 4: >5: 1: 2: 3: 4:	1.5000 2.5000 3.0000 1.0000 1.5000 2.0000 2.5000	Stop 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 * -50.283 * -80.578 1.0917 1.0956 1.0558 1.0078 *
5.00 ^{*/} .00* Phase 22 .2000/	225.00 Ch1: S 225.00 180.00 135.00 90.00 45.00 0.00 -45.00 -90.00		00 MHz						1: 2: 3: 4: 5: 1: 2: 3: 35:	1.5000 2.5000 3.0000 1.0000 1.5000 2.0000 2.5000	Stop 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 * -50.283 * -80.578 1.0917 1.0956 1.0558 1.0078 *
5.00 ^{*/} 00* Phase 22 200U/	-225.00 Ch1: S 225.00 135.00 30.00 45.00 0.00 -45.00 -30.00 -135.00		000 MHz						1: 2: 3: 4: • 5: • 1: 1: 2: • 3: • 4: • 3: • 4: • 3: • 4: • 4: • 5: • 4: • 5: • 4: • 5: • 6: • 6: • 7: • 7: • 7: • 7: • 7: • 7: • 7: • 7	1.5000 2.5000 3.0000 1.0000 1.5000 2.0000 2.5000	Stop 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	-20.113 * -30.088 -40.173 * -50.283 * -80.578 1.0917 1.0956 1.0558 1.0078 *

1.0	Mechanical Specifications				
1.1	Coaxial Connector	SMA (Male or Female)			
1.2	Size	2.76" x 0.51" x 0.55" (70 x 13 x 14mm)			
1.3	Weight	50g			
1.7	External Body Finish	Body painted with golden epoxy enamel			

С

D

Electrical Specifications							
				CW / Peak Power (W/KW)			
DC-6	< 0.75	120°***	1.4	50W CW / 2KW			
***Phase Adjustment Range specification ONLY refer to the highest frequency point. Total Phase Adjustment Range is proportion of Frequency range. HALF the frequency range, HALF of the phase adjustment range. (For example 8GHz range 360°, then 4GHz will be 180° total range)							
	Rang (GHz) DC-6 ent Range specif is proportion of	Frequency Rang (GHz)Insertion Loss (dB)DC-6< 0.75ent Range specification ONLY r is proportion of Frequency ran	Frequency Rang (GHz) Insertion Loss (dB) Phase Adjustment DC-6 < 0.75 120°*** ent Range specification ONLY refer to the highes is proportion of Frequency range. HALF the frequency range. HALF the frequency range.	Frequency Rang (GHz) Insertion Loss (dB) Phase Adjustment Max VSWR DC-6 < 0.75 120°*** 1.4 ent Range specification ONLY refer to the highest frequency range, is proportion of Frequency range. HALF the frequency range, HALF the frequency range,			

Е

F

G

Н

J

2.0	Environment specifications				
2.1	Operation Temp.	-10°C~+50°C			
2.2	Storage Temp.	-40°C~+70°C			
2.3	Altitude	45000 ft			
2.4	Vibration	10g rms (15 degree 2KHz)			
2.5	Humidity	100% RH at 35c, 95%RH at 40 deg c			
2.6	Shock	20G for 11msc			

L

Κ

1.0600

See.		
	RE	14404 B
	SN 07110	Cowa and

_	
5	

6

9

8

7

3

2

0

А

В