

Technical Data Sheet

SP12T Terminated Ramses SMA 18GHz Normally open 12Vdc TTL Diodes D-sub connector

	ways range (GHz) I ss max 0 n i	DC - 3 1,20 0.20 dB 80 dB 240 W	:	: SPnT 12 0 - 18 GHz 50 Ohms 8 - 12.4 1,60 0.60 dB	PA 12.4 - 15 1,70	RT NUMB	ER : <b>R574F022</b>	225
Number of Frequency Impedance Frequency VSWR may Insertion lo Isolation m Average po	ways range (GHz) I ss max 0 n 2 wer (*) 2	1,20 0.20 dB 80 dB	3 - 8 1,40 0.40 dB	0 - 18 GHz 50 Ohms 8 - 12.4 1,60		15 - 18		
Number of Frequency Impedance Frequency VSWR may Insertion lo Isolation m Average po	ways range (GHz) I ss max 0 n 2 wer (*) 2	1,20 0.20 dB 80 dB	3 - 8 1,40 0.40 dB	0 - 18 GHz 50 Ohms 8 - 12.4 1,60		15 - 18		
Frequency Impedance Frequency VSWR max Insertion Io Isolation m Average po	(GHz) I ss max 0 n a wer (*) 2 ION IMPEDANCE	1,20 0.20 dB 80 dB	3 - 8 1,40 0.40 dB	0 - 18 GHz 50 Ohms 8 - 12.4 1,60		15 - 18		
Impedance Frequency VSWR may Insertion lo Isolation m Average pc	(GHz) I ss max 0 n 3 wer (*) 2 ION IMPEDANCE	1,20 0.20 dB 80 dB	3 - 8 1,40 0.40 dB	50 Ohms 8 - 12.4 1,60		15 - 18		
Frequency VSWR may Insertion lo Isolation m Average po TERMINAT	ss max 0 n wer (*) 2	1,20 0.20 dB 80 dB	3 - 8 1,40 0.40 dB	8 - 12.4 1,60		15 - 18		
VSWR max Insertion lo Isolation m Average po TERMINAT	ss max 0 n wer (*) 2	1,20 0.20 dB 80 dB	1,40 0.40 dB	1,60		15 - 18		
VSWR max Insertion lo Isolation m Average po TERMINAT	ss max 0 n wer (*) 2	1,20 0.20 dB 80 dB	1,40 0.40 dB	1,60		10 - 10		
Insertion lo Isolation m Average po TERMINAT	ss max 0 n 2 wer (*) 2 ION IMPEDANCE	0.20 dB 80 dB	0.40 dB	ii		1,80		
Isolation m Average po TERMINAT	n wer (*)	80 dB			0.70 dB	0.80 dB		
Average po	wer (*)		10 00	60 dB 120 W		50 dB 100 W		
			150 W		110 W			
TERM. AV	G. POWER AT 25	Ξ	:	50 Ohms				
		5° C	:	1 W per terr	nination / 3 \	W total powe	r	
ELECTRICAL CH		2						
		<u>_</u>						
Actuator			:	NORMALLY	OPEN			
Nominal current **			:	: 250 mA				
Actuator vo	tage (Vcc)		:	12V (10.2 to	13V)			
Terminals			:	44 pins D-S	UB male con	nnector		
			: 2.2 to 5.5 V / 800μA at 5.5 V					
	- Low leve	el	:	0 to 0.8 V / 2	20µA at 0.8 V	1		
MECHANICAL CH	ARACTERISTIC	<u>S</u>						
Connectors				SMA female per MIL-C 39012				
Life				2 million cycles per position				
Switching Time***				: < 15 ms				
Construction				: Splashproof				
Weight			:	< 400 g				
ENVIRONMENTA	L CHARACTERIS	<u>STICS</u>						
Operating t	emperature range	•	-	-40°C to +85	o.c			
Storage temperature range				-55°C to +85				
0	. 0						ROHS	
(* • • • •							•()•)•)	
	wer at 25°C per R	KF Path)				/		
<b>`</b>							MPLIAT	
inominal Vo	ltage ; 25° C)						-	

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

## **Technical Data Sheet**

SP12T Terminated Ramses SMA 18GHz Normally open 12Vdc TTL Diodes D-sub connector

PART NUMBER : R574F02225 PAGE 2/2 ISSUE 25-11-22 SERIE : SPnT DRAWING TTL input **RF** Continuity 4 x M3 depth 4 E1 = 1  $\mathsf{IN}\leftrightarrow\mathsf{1}$ 1.598 E2 = 1  $IN \leftrightarrow 2$ Ø 4<u>0.60</u> E3 = 1  $\mathsf{IN}\leftrightarrow\mathsf{3}$  $\bigcirc$ Ø ଲି E4 = 1 $IN \leftrightarrow 4$ 12 Ô E5 = 1  $\mathsf{IN}\leftrightarrow\mathsf{5}$ 0 **´**11 E6 = 1  $\mathsf{IN}\leftrightarrow \mathsf{6}$ 10 E7 = 1  $\mathsf{IN}\leftrightarrow\mathsf{7}$ E8 = 1  $IN \leftrightarrow 8$ 30° C E9 = 1  $IN \leftrightarrow 9$ 2.201  $IN \leftrightarrow 10$ E10 = 1 6 6 0 Ø55.90  $IN \leftrightarrow 11$ E11 = 1  $IN \leftrightarrow 12$ E12 = 1 44 pins high density D-SUB male connector 4-40 UNC ŢIJĿ ∍∭ LABEL  $\overline{}$ TOP VIEW RADIALL® 12(1)<u>E9 E11 Vcc GND E3</u> E8 E10 E12/E1 E2 / E4 E5 E6 X2 R574F02225 [2.598 max.] 66 max. [2.795 max.] 71 max. 11 0 - 18 GHz ۵ 10 Un : 12V [0.303 max.] 7.70 max. Lot : \_ \_ \_ \_ BOTTOM VIEW 2 1 ; × #×; 2.689 ¢68.30 General tolerances : ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM RTN E1 E2 En Vcc Å Q 0 Q Power Input . Terminals TTL-DRIVE Actuators ₹₩2 ₹₩z ₹₩ 0 IN **RF** inputs

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.