

Technical Data Sheet

SP4T Terminated Ramses 2.4mm 50GHz Latching 12Vdc D-sub connector

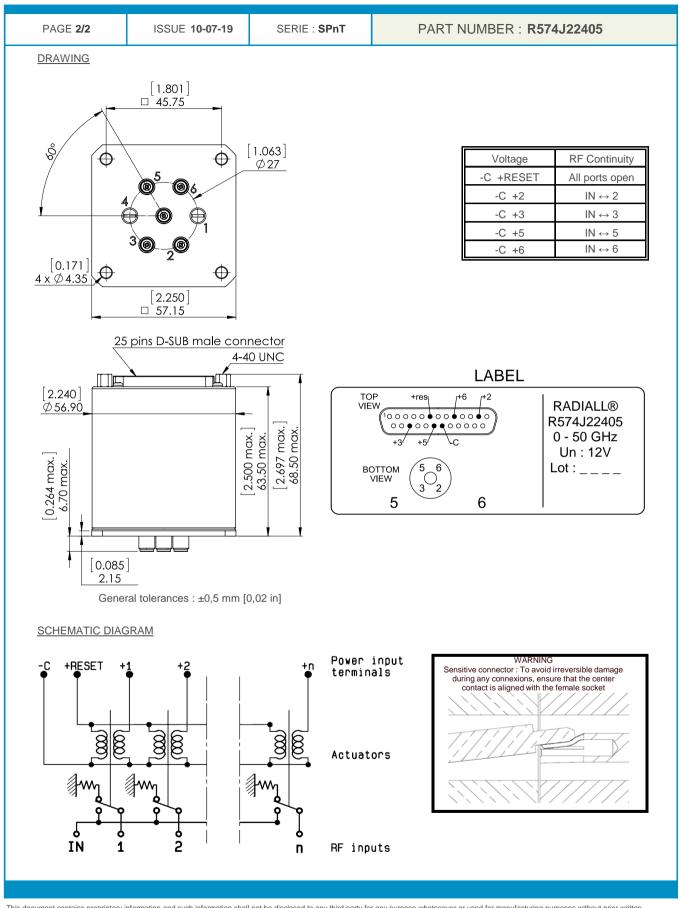
Actuator :: LATCHING Nominal current ** :: 320 mA / RESET : 1280 mA **** Actuator voltage (Vcc) :: 12V (10.2 to 13V) / NEGATIVE COMMON Terminals :: 25 pins D-SUB male connector MECHANICAL CHARACTERISTICS :: 2.4mm female (Accoding to IEEE STD 287) Life :: 2 million cycles per position Switching Time*** :: < 15 ms Construction :: Splashproof Weight : < 250 g ENVIRONMENTAL CHARACTERISTICS : Operating temperature range :: <25°C to +70°C Storage temperature range :: <25°C to +85°C	<text></text>	PAGE 1/2 ISSUE 10-07-		10-07-19	9 SERIE : SPnT		PART NUMBER : R574J22405		
<text></text>	<text></text>	RECHARACTE	RISTICS						
ImpedanceS 20 MmsImpedanceImped	ImpedanceYe ObteImpedanceImpeda	Number o	of ways		:	4			
Image: project (GHz) DC - 6 6 - 12.4 12.4 - 18 18 - 26.5 26.5 - 40 40 - 50 Image: project (SMZ) D.20 dB 0.50 dB 0.70 dB 0.90 dB<	Image: Sector Secto	Frequenc	y range		:	0 - 50 GHz			
VSWR max 1.30 1.40 1.50 1.70 1.90 2.20 Insertion loss max 0.20 dB 0.40 dB 0.50 dB 0.70 dB 0.90 dB 1.20 dB isolation min 70 dB 60 dB 60 dB 55 dB 50 dB 50 dB Average power (*) 40 W 30 W 25 W 15 W 5 W 3 W	VSWR max 1.30 1.40 1.50 1.70 1.90 2.20 Isolation loss max 0.20 dB 0.40 dB 0.50 dB 0.70 dB 0.90 dB 1.20 dB Isolation min 70 dB 60 dB 60 dB 55 dB 50 dB 50 dB Isolation min 70 dB 60 dB 60 dB 65 dB 50 dB 50 dB Isolation min 70 dB 60 dB 60 dB 65 dB 50 dB 50 dB Isolation min 70 dB 60 dB 60 dB 55 dB 50 dB 50 dB Verage power (') 40 W 30 W 25 W 15 W 5 W 3 W transference 50 Ohms Etem 12 W (Dz to 13V) / NEGATVE COMMON 10 W 12 W (Dz to 13V) / NEGATVE COMMON Terminals 25 pins D-SUB male connector 12 W (Dz to 13V) / NEGATVE COMMON 12 W (Dz to 13V) / NEGATVE COMMON WECHANICAL CHARACTERISTICS Connectors 2 million cycles per position 13 W cight 2 million cycles per position Switching Time*** 2 so g Construction	Impedanc	ce		:	50 Ohms			
Insertion loss max 0.20 dB 0.40 dB 0.50 dB 0.70 dB 0.90 dB 1.20 dB Isolation min 70 dB 60 dB 60 dB 55 dB 50 dB 50 dB 50 dB Itermination min 70 dB 60 dB 60 dB 65 dB 50 dB 50 dB 50 dB Itermination min 70 dB 60 dB 60 dB 55 dB 50 dB 50 dB 50 dB Itermination min 70 dB 60 dB 60 dB 55 dB 50 dB 50 dB 50 dB Itermination Autoto Exercise 50 Ohms Exercise Ex	Insertion loss max 0.20 dB 0.40 dB 0.50 dB 0.70 dB 0.90 dB 1.20 dB Isolation min 70 dB 60 dB 60 dB 55 dB 50 dB 50 dB 50 dB Average power (*) 40 w 30 w 25 w 15 w 5 w 3 w TERMINATION IMPEDANCE :: 50 Ohms TERM. AVG. POWER AT 25° C :: 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator :: 230 mA / RESET : 280 mA **** Actuator otage (Voc) :: 12 V (10.2 to 13V) / NEGATIVE COMMON Terminals :: 25 pins D-SUB male connector WECHANICAL CHARACTERISTICS : 2 million cycles per position Switching Time*** : : 2 million cycles per position Switching Time*** : : : 2 million cycles per position Switching Time*** : : : : : Connectors :: : : : : : Switching Time*** : : : : : <td< td=""><td>Frequenc</td><td>y (GHz)</td><td>DC - 6</td><td>6 - 12.4</td><td>12.4 - 18</td><td>18 - 26.5</td><td>26.5 - 40</td><td>40 - 50</td></td<>	Frequenc	y (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50
isolation min 70 dB 60 dB 60 dB 55 dB 50 dB 50 dB Average power (*) 40 W 30 W 25 W 15 W 5 W 3 W TERMINATION IMPEDANCE :: 50 Ohms	isolation min T0 dB 60 dB 55 dB 50 dB 50 dB Average power (*) 40 W 30 W 25 W 15 W 5 W 3 W TERMINATION IMPEDANCE :: 50 Ohms TERM. AVG. POWER AT 25° C :: 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator :: LATCHING Nominal current ** :: 320 mA / RESET : 1280 mA **** Actuator voltage (Vcc) :: 12V (10.2 to 13V) / NEGATIVE COMMON Terminals :: 25 pins D-SUB male connector WECHANICAL CHARACTERISTICS : Connectors :: 2.4mm female (Accoding to IEEE STD 287) Life :: 2 million cycles per position : : : Switching Time*** :: : 15 ms : : Construction :: : 15 ms : : : Weight :: : 250 g : : : : : ENVIRONMENTAL CHARACTERISTICS : : : : : : : <t< td=""><td>VSWR m</td><td>ax</td><td>1.30</td><td>1.40</td><td>1.50</td><td>1.70</td><td>1.90</td><td>2.20</td></t<>	VSWR m	ax	1.30	1.40	1.50	1.70	1.90	2.20
Average power (*) 40 W 30 W 25 W 15 W 5 W 3 W TERMINATION IMPEDANCE :: 50 Ohms : 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1280 mA **** Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1280 mA **** Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : 25 pins D-SUB male connector MECHANICAL CHARACTERISTICS Connectors : Connectors : 2.4mm female (Accoding to IEEE STD 287) Life : 2 million cycles per position Switching Time*** :<<15 ms	Image power (*) 40 W 30 W 25 W 15 W 5 W 3 W TERMINATION IMPEDANCE :: 50 Ohms TERM. AVG. POWER AT 25° C :: 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator :: LATCHING Nominal current ** :: 320 mA / RESET : 1280 mA **** Actuator voltage (Vcc) :: 12V (10.2 to 13V) / NEGATIVE COMMON Terminals :: 25 pins D-SUB male connector MECHANICAL CHARACTERISTICS : Connectors :: 2.4mm female (Accoding to IEEE STD 287) Life :: 2 million cycles per position : Switching Time*** :: 15 ms Construction :: Splashproof : : 15 ms Construction :: Splashproof :: : : : ENVIRONMENTAL CHARACTERISTICS :	Insertion	loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	0.90 dB	1.20 dB
TERMINATION IMPEDANCE : 50 Ohms TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1280 mA **** Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : 25 pins D-SUB male connector MECHANICAL CHARACTERISTICS Connectors : 2.4mm female (Accoding to IEEE STD 287) Life : 2 million cycles per position Switching Time*** : < 15 ms	TERMINATION IMPEDANCE :: 50 Ohms TERM. AVG. POWER AT 25° C :: 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator :: LATCHING Nominal current ** :: 320 mA / RESET : 1280 mA **** Actuator voltage (Vcc) :: 12V (10.2 to 13V) / NEGATIVE COMMON Terminals :: 25 pins D-SUB male connector MECHANICAL CHARACTERISTICS Life :: 2 million cycles per position Switching Time*** :: < 15 ms	Isolation :	min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB
TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1280 mA **** Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : 25 pins D-SUB male connector MECHANICAL CHARACTERISTICS : 2.4mm female (Accoding to IEEE STD 287) Life : 2 million cycles per position Switching Time*** : 4 15 ms Connectors : Splashproof Weight : 4 250 g ENVIRONMENTAL CHARACTERISTICS : 25°C to +70°C (* Average power at 25°C per RF Path) : 40°C to +85°C (* Average power at 25°C per RF Path) : 40°C to +85°C (* Average power at 25°C per RF Path) : 40°C to +85°C	TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1280 mA **** Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : 25 pins D-SUB male connector WECHANICAL CHARACTERISTICS Connectors : 2.4mm female (Accoding to IEEE STD 287) Life : 2 million cycles per position Switching Time*** : < 15 ms	Average r	oower (*)	40 W	30 W	25 W	15 W	5 W	3 W
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Operating temperature range : -25°C to +70°C Storage temperature range : -40°C to +85°C (* Average power at 25°C per RF Path) (** At 25° C ±10%) (*** Nominal voltage ; 25° C)	Operating temperature range : -25°C to +70°C Storage temperature range : -40°C to +85°C ** Average power at 25°C per RF Path) *** At 25° C ±10%) *** *** Nominal voltage ; 25° C) ***	<u>/IECHANICAL (</u>	CHARACTERIS	<u>STICS</u>		·			
(* Average power at 25°C per RF Path) (** At 25° C ±10%) (*** Nominal voltage ; 25° C)	Storage temperature range : -40°C to +85°C *** Average power at 25°C per RF Path) *** At 25° C ±10%) **** Nominal voltage ; 25° C)	Connecto Life Switching Construct	rs Time***	STICS	:	2.4mm fema 2 million cy < 15 ms Splashproo	ale (Accodin cles per pos	g to IEEE ST	D 287)
Storage temperature range : -40°C to +85°C (* Average power at 25°C per RF Path) (** At 25° C ±10%) (*** Nominal voltage ; 25° C)	Storage temperature range : -40°C to +85°C ** Average power at 25°C per RF Path) *** At 25° C ±10%) *** Nominal voltage ; 25° C)	Connecto Life Switching Construct Weight	rs Time*** ion		:	2.4mm fema 2 million cy < 15 ms Splashproo	ale (Accodin cles per pos	g to IEEE ST	D 287)
(* Average power at 25°C per RF Path) (** At 25° C ±10%) (*** Nominal voltage ; 25° C)	 Average power at 25°C per RF Path) At 25° C ±10%) Nominal voltage ; 25° C) 	Connecto Life Switching Construct Weight	rs Time*** ion TAL CHARACT	ERISTICS	:	2.4mm fema 2 million cy < 15 ms Splashproo < 250 g	ale (Accodin cles per pos f	g to IEEE ST	D 287)
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(Noser . supply voltage time roce. max. / duty cycle 10/0)	Noser. Supply voltage time isec. max. / uuty cycle 1070	Connecto Life Switching Construct Weight ENVIRONMENT Operating Storage to * Average p	rs Time*** ion FAL CHARACT g temperature r emperature rar power at 25°C ±10%)	<u>ERISTICS</u> ange nge per RF Path)	:	2.4mm fema 2 million cy < 15 ms Splashproo < 250 g	ale (Accodin cles per pos f 9°C	g to IEEE ST	
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