



RELCOMM TECHNOLOGIES, INC.

Design Enhanced Application Specific
RF Coaxial Relays For -

Mission Critical Communications:

Security, Safety and Intelligence

Commercial Telecom Infrastructure

Military Defense Fixed, Mobile & Shipboard

Instrumentation: Test and Measurement

www.relcommtech.com • telephone: 410•749•4488 • facsimile: 410•860•2327

sales@relcommtech.com

610 Beam Street, Salisbury, Maryland 21801

EXCELLENCE BY DESIGN

RelComm Technologies, Inc.

Our Mission

To provide Design Enhanced and Cost Effective Reliable RF Coaxial Relay Products for Mission Critical Communications and Instrumentation. Further, to provide RelComm Technologies products to our commercial and military customers within agreed upon specifications on schedule and on budget.

The Company

RelComm Technologies, established in April 1994, designs and manufactures Design Enhanced Application Specific RF Coaxial Relay Products for high volume commercial telecommunications infrastructure, military communications as well as test and measurement instrumentation operating from DC to 40 GHz. The management team has more than seventy-five years of combined management experience in design, manufacturing and marketing of products for this industry. At RelComm Technologies we believe in understanding the total opportunity. This means targeting the goals of our customers, achieving those goals, establishing long term relationships that are mutually beneficial, and then, exceeding all expectations.

RelComm Technologies is totally focused on serving the RF Coaxial Relay product needs of the Communications and Instrumentation marketplace...these are our only products. Our focused efforts to continuously improve product performance and reduce costs through value analysis and manufacturing friendly designs allow us to provide our customers the preferred choice.

The Facilities and Equipment

Approximately 23,000 square feet of floor space devoted to manufacturing, engineering, quality, and administrative disciplines is located at:

RelComm Technologies, Inc.
610 Beam Street
Salisbury, Maryland 21801

Manufacturing Process and Test

- World Class Work Cells
- Continuous Flow Manufacturing (CFM)
- Cobehn Atomized Cleaning Chambers
- Laminar Air Flow Class 100 Work Stations
- Constant Air Filtration System throughout the manufacturing facility
- Compressed Air Treatment Filtering System with outlet air containing virtually no condensable hydrocarbons

Reengineering and Design Enhancement

- Value Analysis
- Application Specific
- Manufacturing Friendly
- Computer Aided Design Software

Quality Philosophy

- ISO 9001 System Compatibility
- Best Commercial and Military Practices Meeting Customer Requirements and Exceeding Customer Expectations

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Contact factory for your Application Specific Consultation

sales@relcommtech.com

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Ordering and Warranty Information

Contact the Facility

For an application specific consultation fill out the Coaxial Relay Requirement sheet in the back of the catalog, then contact us directly or visit our website. For order placement or inquiries contact the factory directly or our representative in your area.

Telephone: 410•749•4488
Facsimile: 410•860•2327
www.relcommtech.com
www.sales@relcommtech.com
www.rfrelaystore.com

Warranty

RelComm Technologies, Inc. warrants its products to be free from defects in material and workmanship for a period of two (2) years. This Warranty is limited to the repair or replacement of the product after being returned freight prepaid to our factory, and RelComm Technologies, Inc. determining that the product is defective. Returned products will not be accepted unless the factory has been contacted in advance and a RMA (Return Material Authorization) number has been issued. This Warranty is exclusive and in lieu of all warranties expressed or implied, including any warranty of merchantability or fitness of a particular purpose.

Specifications and Prices

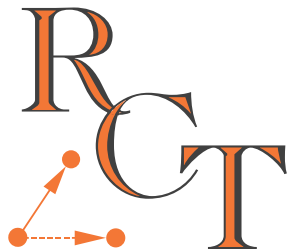
As design enhancements are ongoing, specifications and prices are subject to change and should be confirmed at the time of order placement.

Non-Warranty Repairs

Repair or upgrade service may be performed based on current material and time estimated charges. An RMA number will be required in advance of products being returned.

Terms and Shipping

Open Account terms are net 30 days, F.O.B., Salisbury, Maryland. If not on Open Account, please provide credit information prior to order placement. Orders will be shipped via United Parcel Service unless otherwise specified.



- Commitment to **QUALITY** by Design
- Commitment to **SCHEDULE** by Design
- Commitment to **BUDGET** by Design
- Commitment to **PERFORMANCE** by Design
- Commitment to **SERVE THE CHANGING NEEDS OF THE CUSTOMER** by Design

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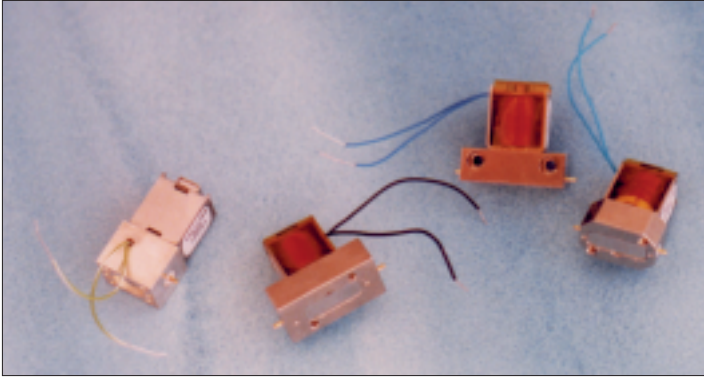
Contact factory for your Application Specific Consultation

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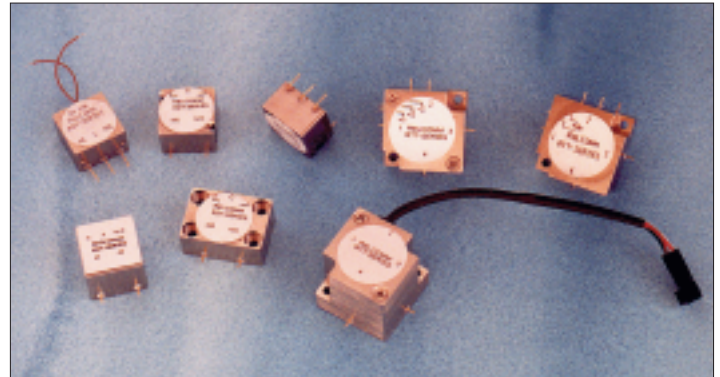
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PCB Mount Technology

RelComm's PCB Mount Technology Relays are available in 1P1T, 1P2T, Transfer and Circuit Insertion configurations.



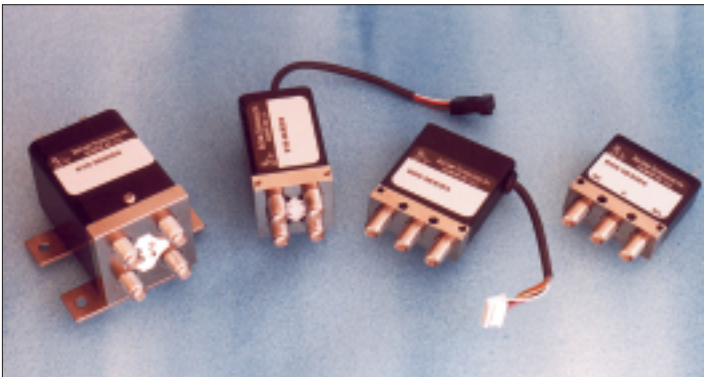
*RSS Series 1P1T
Failsafe to Open*



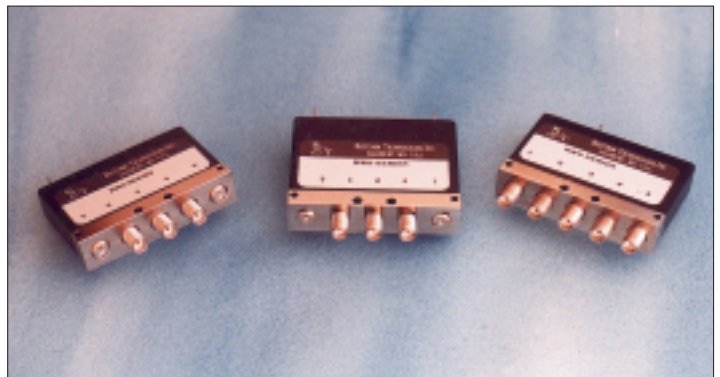
*RDT Series 1P1T, 1P2T
RTT Series Transfer/
Circuit Insertion*

SMA Connectorized

RelComm's SMA Connectorized Relays are available in 1P2T, Transfer, Circuit Insertion and 2P2T configurations.



*RDS Series 1P2T
RTS Series - Transfer/
Circuit Insertion*



*RWS Series 2P2T
with or without 50 Ohm
2 Watt Terminations*

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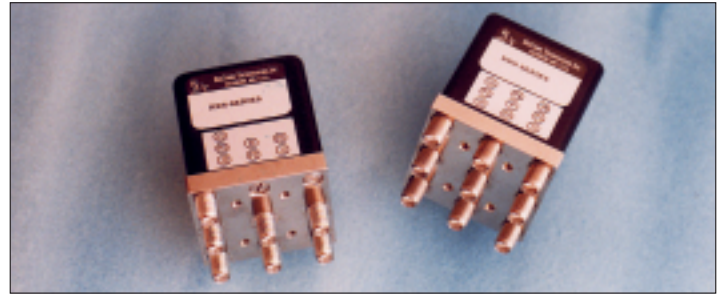
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SMA Connectorized

RelComm's SMA Connectorized Relays are also available in Multi-throw and Redundant configurations.



*RMS and RMT Series
Multi-throw
1P3T to 1P12T*



*RRS Series
"Redundant"
3P2T, 4P2T*

Type "N" Connectorized

RelComm's Type "N" Connectorized Relays are available in 1P2T, Transfer, Circuit Insertion and Redundant configurations.



*RDL Series 1P2T
RTL Series - Transfer
RRL Series - Redundant 3P2T*

Type "WG" Transition

RelComm's Type "RDW" Series is available in 1P2T and Transfer configurations



RDW - WR28 - 4D - I

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Typical Characteristics

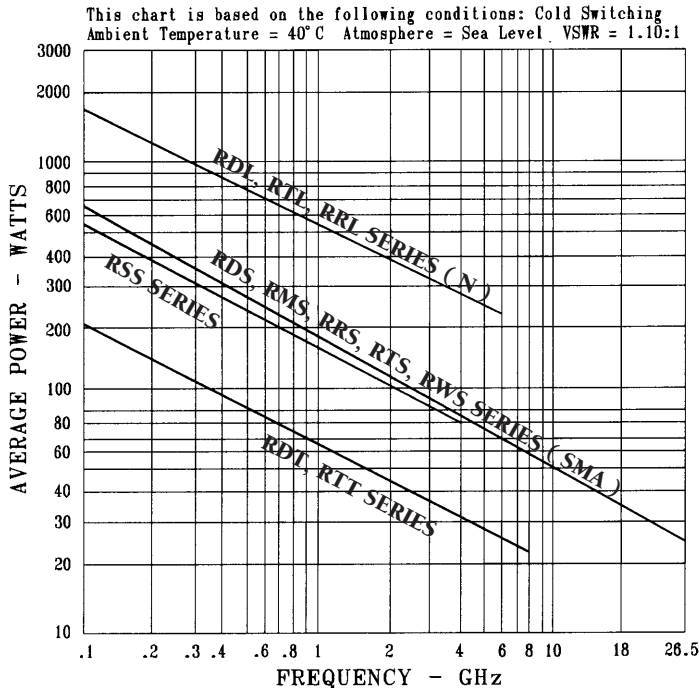
Nominal Impedance (Ohm)	50							
Frequency Range (GHz)	DC-1	1-2	2-4	4-8	8-12	12-18	18-26.5	
VSWR (maximum)	1.1:1	1.15:1	1.2:1	1.3:1	1.4:1	1.5:1	1.6:1	
Insertion Loss (dB maximum)	0.1	0.15	0.20	0.3	0.4	0.5	0.6	
Isolation (dB minimum)	80	75	70	70	60	60	50	

Operating Temperature Range -30 to +85°C (Wider range available if required)
 Storage Temperature Range -55 to +100 °C
 Nominal Operating Coil Voltages (dc) 5, 12, 15, 24, 28

Materials/Finish:

Housing	Aluminum/Nickel
Cover	Aluminum/Black Anodized
Connectors	Stainless Steel/Passivate or Brass/Nickel
Pin Outs	Brass/Gold
Insulation	Teflon
Contacts	Beryllium Copper/Gold

Power Chart



DERATING FACTORS	
VSWR	FACTOR
1.5:1	.96
2.0:1	.89
2.5:1	.82
3.0:1	.75
3.5:1	.69
4.0:1	.64
5.0:1	.56
6.0:1	.49
TEMPERATURE (°C)	FACTOR
0	1.2
40	1.0
60	0.9
80	0.8
ALTITUDE (ft * 1000)	FACTOR
10	0.9
30	0.7
50	0.5
70	0.3

NOTE:
 Total Derating = Product of Factors

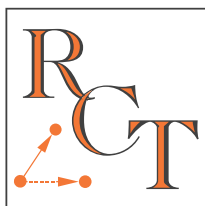
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RelComm Technologies, Inc. Coaxial Relay Requirement

Customer Information

Company Name: _____

Individual Name: _____

Position: _____

Telephone: _____

Fax: _____

Email Address: _____

Other Pertinent Information: _____

Specification Requirements

Configuration (1P1T, 1P2T, 2P2T, Multiple, Transfer)

Coil Voltage (dc): _____

Failsafe "F", Pulse Latching "PL", or Latching "L"

Connector Type: SMA/N/PCB/Other _____

Indicator Circuitry: Yes/No

Transistor/Transistor/Logic: "TTL" Yes/No

Other Pertinent Information: _____

Environmental Requirements

Operating Frequency: _____

Operating Temperature: _____

Average Power: _____

Commercial/Industrial/C.O.T.S./Military

Other Pertinent Information: _____

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RF Relay Store

RF Relay Store.com *is* the answer to your urgent small quantity needs. RelComm Technologies **NOW** offers standard building block RF Coaxial Relays available for shipment from **Stock**.

Buy on-line at www.rfrelaystore.com
Use Visa, Mastercard, or American Express!!

RF Coaxial Relays - DC to 18 GHz
Very Affordable High Performance Building Blocks
Extremely Low Loss From DC to 18 GHz
1P1T, 1P2T, Multi-Throw and 2P2T Transfer Configurations
PCB Mount, SMA, and N-Type Connectorized
Starting at \$49.00 each for 5-9 Units
Ship from Stock (Same Day to 36 Hours)

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