

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

TELEDYNE
COAX SWITCHES
Everywhereyoulook™

Series CCT-38S/CT-38S

Multi-Throw DC–18 GHz/DC-22 GHz
Normally Open Coaxial Switch

PART NUMBER	DESCRIPTION
CCT-38S	Commercial Normally Open Multi-throw, DC-18GHz
CT-38S	Elite Normally Open Multi-throw, DC-22GHz

The CCT-38S/CT-38S is an internally terminated, broadband, multi-throw, electromechanical coaxial switch designed to switch a microwave signal from a common input to any of 3, 4, 5, or 6 outputs. The characteristic impedance is 50 Ohms. Internal terminations provide an impedance match for the unselected ports. The switches are small using the popular connector spacing on a 1.062" dia. circle. Each position has an individual actuator mechanism allowing random position selection. This also minimizes switching time.
The CCT-38S/CT-38S comes with a normally open actuator. For the normally open actuator, all ports are terminated in 50 Ohms, except the common input port which is open when the switch is de-energized.



RoHS Compliant

Available with USB & Ethernet Control!



ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

Operating Temperature Commercial Model, CCT-38S Elite Model, CT-38S	 –25°C to 65°C –55°C to 85°C
Vibration (MIL-STD-202 Method 214, Condition D, non-operating)	10 g's RMS
Shock (MIL-STD-202 Method 213, Condition D, non-operating)	500 g's
Standard Actuator Life Actuator Life w/ Additional Features	5,000,000 cycles 1,000,000 cycles
Connector Type	SMA
Humidity (Moisture Seal)	Available
Weight	6 oz. (170.1g) (max.)

ELECTRICAL CHARACTERISTICS

Form Factor	Multi-Throw,, break before make
Frequency Range CCT-38S CT-38S	 DC–18 GHz DC–22 GHz
Characteristic Impedance	50 Ohms
Terminations	50Ω, 2 Watts CW max.
Operate Time	15 ms (max.)
Release Time	15 ms (max.)
Actuation Voltage Available	12 15 24 28 V
Actuation Current, max. @ ambient	420 350 250 200 mA

RF SPECIFICATIONS

Frequency	DC–3 GHz	3–6 GHz	6–12 GHz	12–18 GHz	18-22 GHz
Insertion Loss, dB, max.	0.2	0.2	0.4	0.5	0.6
Isolation, dB, min.	70	70	60	60	50
VSWR , max.	1.25:1	1.25:1	1.4:1	1.5:1	1.8:1

PART NUMBERING SYSTEM

CCT-38 S 1 6 C - T**

- CCT-38 — Series
- S — Connectors
- 1 — Actuator Voltage
- 6 — Number of Positions
- C — Actuator Type
- T** — Options

CONNECTOR
S: SMA FEMALE

ACTUATOR VOLTAGE
1: 28 VDC NORMALLY OPEN
2: 15 VDC NORMALLY OPEN
3: 12 VDC NORMALLY OPEN
4: 24 VDC NORMALLY OPEN

NUMBER OF POSITIONS
3: SP3T
4: SP4T
5: SP5T
6: SP6T

ACTUATOR TYPE
0: NO INDICATOR CONTACTS
C: INDICATOR CONTACTS

OPTIONS
T: TTL DRIVERS WITH DIODES
D: COIL TRANSIENT SUPPRESSION DIODES
R: POSITIVE + COMMON
TD: DECODERS AND TTL DRIVERS WITH DIODES
M: MOISTURE SEAL
S: D-SUB CONNECTOR*

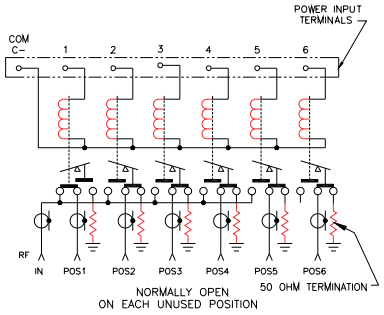
**SEE PARTS LIST ON PAGE 12-14
***Indicator Contacts Operating Temperature -50°C to 85°C (Elite Model Only)

For additional options, please contact factory.

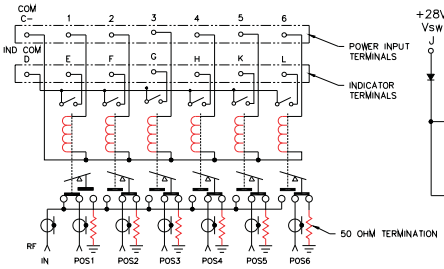
*** D-Sub Connector may be 9 or 15 pin depending on number of throws. (See Connector Pinout page)**

© 2019 TELEDYNE RELAYS

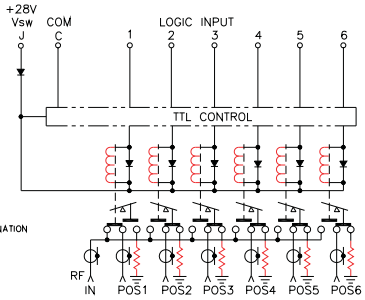
SCHEMATICS AND MECHANICAL OUTLINE



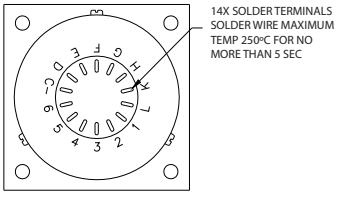
Analog

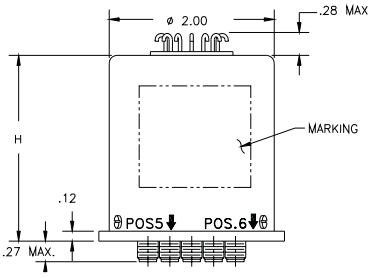


Indicators



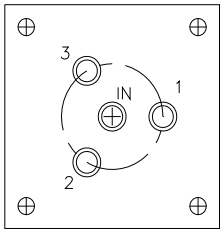
TTL

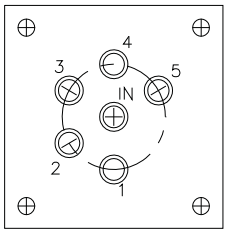




H = 1.85 STD Models (No Options)
H = 2.50 All OTHER Models

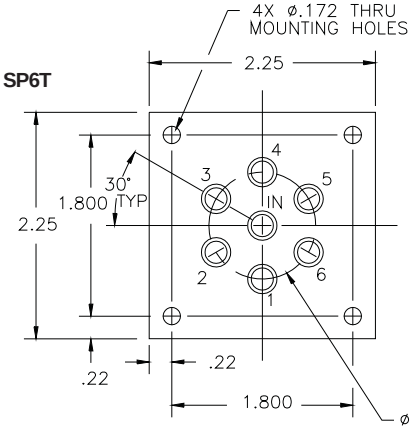
SP3T

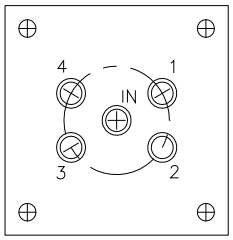




SP5T

SP6T





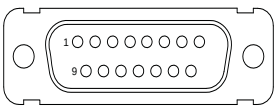
SP4T

"-S OPTION" 9-PIN D-SUB OR 15-PIN D-SUB CONNECTOR (EXAMPLE: CCT-38S160-S)

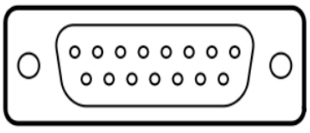
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
© 2019 TELEDYNE COAX SWITCHES

CONNECTOR PINOUT FOR NORMALLY OPEN SP3T MULTI-THROW SWITCHES						
EXAMPLE	CT-38S130-S	CT-38S13C-S	CT-38S130-TS	CT-38S13C-TS	CT-38S130-TDS	CT-38S13C-TDS
PIN NO	9-PINS	9-PINS	9-PINS	9-PINS	9-PINS	9-PINS
INDICATOR		YES		YES		YES
TTL			YES	YES		
DECODERS & TTL					YES	YES
1	PORT 1	PORT 1	TTL 1	TTL 1	LOGIC 1	LOGIC 1
2	PORT 2	PORT 3	TTL 2	TTL 2	LOGIC 2	LOGIC 2
3	PORT 3	PORT 3	TTL 3	TTL 3		
4		E INDICATOR		E INDICATOR		E INDICATOR
5		F INDICATOR		F INDICATOR		F INDICATOR
6		G INDICATOR		G INDICATOR		G INDICATOR
7	COMMON	COMMON	COMMON	COMMON	COMMON	COMMON
8			VSW	VSW	VSW	VSW
9		D INDICATOR (COM)		D INDICATOR (COM)		D INDICATOR (COM)

CONNECTOR PINOUT FOR NORMALLY OPEN SP4T MULTI-THROW SWITCHES						
EXAMPLE	CT-38S140-S	CT-38S14C-S	CT-38S140-TS	CT-38S14C-TS	CT-38S140-TDS	CT-38S14C-TDS
PIN NO	9-PINS	15-PINS	9-PINS	15-PINS	9-PINS	15-PINS
INDICATOR		YES		YES		YES
TTL			YES	YES		
DECODERS & TTL					YES	YES
1	PORT 1	PORT 1	TTL 1	TTL 1	LOGIC 1	LOGIC 1
2	PORT 2	PORT 3	TTL 2	TTL 2	LOGIC 2	LOGIC 2
3	PORT 3	PORT 3	TTL 3	TTL 3	LOGIC 3	LOGIC 3
4	PORT 4	PORT 4	TTL 4	TTL 4		
5						
6						
7	COMMON	COMMON	COMMON	COMMON	COMMON	COMMON
8			VSW	VSW	VSW	VSW
9		D INDICATOR (COM)		D INDICATOR (COM)		D INDICATOR (COM)
10		E INDICATOR		E INDICATOR		E INDICATOR
11		F INDICATOR		F INDICATOR		F INDICATOR
12		G INDICATOR		G INDICATOR		G INDICATOR
13		H INDICATOR		H INDICATOR		H INDICATOR
14						
15						

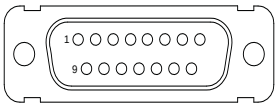


9-PIN D-SUB CONNECTOR

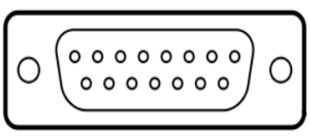


CONNECTOR PINOUT FOR NORMALLY OPEN SP5T MULTI-THROW SWITCHES						
EXAMPLE	CT-38S150-S	CT-38S15C-S	CT-38S150-TS	CT-38S15C-TS	CT-38S150-TDS	CT-38S15C-TDS
PIN NO	9-PINS	15-PINS	9-PINS	15-PINS	9-PINS	15-PINS
INDICATOR		YES		YES		YES
TTL			YES	YES		
DECODERS & TTL					YES	YES
1	PORT 1	PORT 1	TTL 1	TTL 1	LOGIC 1	LOGIC 1
2	PORT 2	PORT 3	TTL 2	TTL 2	LOGIC 2	LOGIC 2
3	PORT 3	PORT 3	TTL 3	TTL 3	LOGIC 3	LOGIC 3
4	PORT 4	PORT 4	TTL 4	TTL 4		
5	PORT 5	PORT 5	TTL 5	TTL 5		
6						
7	COMMON	COMMON	COMMON	COMMON	COMMON	COMMON
8			VSW	VSW	VSW	VSW
9		D INDICATOR (COM)		D INDICATOR (COM)		D INDICATOR (COM)
10		E INDICATOR		E INDICATOR		E INDICATOR
11		F INDICATOR		F INDICATOR		F INDICATOR
12		G INDICATOR		G INDICATOR		G INDICATOR
13		H INDICATOR		H INDICATOR		H INDICATOR
14		K INDICATOR		K INDICATOR		K INDICATOR
15						

CONNECTOR PINOUT FOR NORMALLY OPEN SP6T MULTI-THROW SWITCHES						
EXAMPLE	CT-38S160-S	CT-38S16C-S	CT-38S160-TS	CT-38S16C-TS	CT-38S160-TDS	CT-38S16C-TDS
PIN NO	9-PINS	15-PINS	9-PINS	15-PINS	9-PINS	15-PINS
INDICATOR		YES		YES		YES
TTL			YES	YES		
DECODERS & TTL					YES	YES
1	PORT 1	PORT 1	TTL 1	TTL 1	LOGIC 1	LOGIC 1
2	PORT 2	PORT 3	TTL 2	TTL 2	LOGIC 2	LOGIC 2
3	PORT 3	PORT 3	TTL 3	TTL 3	LOGIC 3	LOGIC 3
4	PORT 4	PORT 4	TTL 4	TTL 4		
5	PORT 5	PORT 5	TTL 5	TTL 5		
6	PORT 6	PORT 6	TTL 6	TTL 6		
7	COMMON	COMMON	COMMON	COMMON	COMMON	COMMON
8			VSW	VSW	VSW	VSW
9		D INDICATOR (COM)		D INDICATOR (COM)		D INDICATOR (COM)
10		E INDICATOR		E INDICATOR		E INDICATOR
11		F INDICATOR		F INDICATOR		F INDICATOR
12		G INDICATOR		G INDICATOR		G INDICATOR
13		H INDICATOR		H INDICATOR		H INDICATOR
14		K INDICATOR		K INDICATOR		K INDICATOR
15		L INDICATOR		L INDICATOR		L INDICATOR



9-PIN D-SUB CONNECTOR



15-PIN D-SUB CONNECTOR

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
© 2019 TELEDYNE COAX SWITCHES

TRUTH TABLE Normally Open
CCT-38SX3C-T

Logic Input			RF Path			Indicator Switches		
1	2	3	J1	J2	J3	E	F	G
1	0	0	On	Off	Off	C	0	0
0	1	0	Off	On	Off	0	C	0
0	0	1	Off	Off	On	0	0	C

TRUTH TABLE Normally Open
CCT-38SX3C-TD

Logic Input		RF Path			Indicator Switches		
1	2	J1	J2	J3	E	F	G
0	0	On	Off	Off	C	0	0
1	0	Off	On	Off	0	C	0
0	1	Off	Off	On	0	0	C
1	1	Off	Off	Off	0	0	0

TRUTH TABLE Normally Open
CCT-38SX4C-T

Logic Input				RF Path				Indicator Switches			
1	2	3	4	J1	J2	J3	J4	E	F	G	H
1	0	0	0	On	Off	Off	Off	C	0	0	0
0	1	0	0	Off	On	Off	Off	0	C	0	0
0	0	1	0	Off	Off	On	Off	0	0	C	0
0	0	0	1	Off	Off	Off	On	0	0	0	C

TRUTH TABLE Normally Open
CCT-38SX4C-TD

Logic Input			RF Path				Indicator Switches			
1	2	3	J1	J2	J3	J4	E	F	G	H
0	0	0	On	Off	Off	Off	C	0	0	0
1	0	0	Off	On	Off	Off	0	C	0	0
0	1	0	Off	Off	On	Off	0	0	C	0
1	1	0	Off	Off	Off	On	0	0	0	C
1	1	1	Off	Off	Off	Off	0	0	0	0

© 2019 TELEDYNE RELAYS

TRUTH TABLE Normally Open
CCT-38SX5C-T

Logic Input					RF Path					Indicator Switches				
1	2	3	4	5	J1	J2	J3	J4	J5	E	F	G	H	K
1	0	0	0	0	On	Off	Off	Off	Off	C	0	0	0	0
0	1	0	0	0	Off	On	Off	Off	Off	0	C	0	0	0
0	0	1	0	0	Off	Off	On	Off	Off	0	0	C	0	0
0	0	0	1	0	Off	Off	Off	On	Off	0	0	0	C	0
0	0	0	0	1	Off	Off	Off	Off	On	0	0	0	0	C

TRUTH TABLE Normally Open
CCT-38SX5C-TD

Logic Input			RF Path					Indicator Switches				
1	2	3	J1	J2	J3	J4	J5	E	F	G	H	K
0	0	0	On	Off	Off	Off	Off	C	0	0	0	0
1	0	0	Off	On	Off	Off	Off	0	C	0	0	0
0	1	0	Off	Off	On	Off	Off	0	0	C	0	0
1	1	0	Off	Off	Off	On	Off	0	0	0	C	0
0	0	1	Off	Off	Off	Off	On	0	0	0	0	C
1	1	1	Off	Off	Off	Off	Off	0	0	0	0	0

TRUTH TABLE Normally Open
CCT-38SX6C-T

Logic Input						RF Path						Indicator Switches					
1	2	3	4	5	6	J1	J2	J3	J4	J5	J6	E	F	G	H	K	L
1	0	0	0	0	0	On	Off	Off	Off	Off	Off	C	0	0	0	0	0
0	1	0	0	0	0	Off	On	Off	Off	Off	Off	0	C	0	0	0	0
0	0	1	0	0	0	Off	Off	On	Off	Off	Off	0	0	C	0	0	0
0	0	0	1	0	0	Off	Off	Off	On	Off	Off	0	0	0	C	0	0
0	0	0	0	1	0	Off	Off	Off	Off	On	Off	0	0	0	0	C	0
0	0	0	0	0	1	Off	Off	Off	Off	Off	On	0	0	0	0	0	C

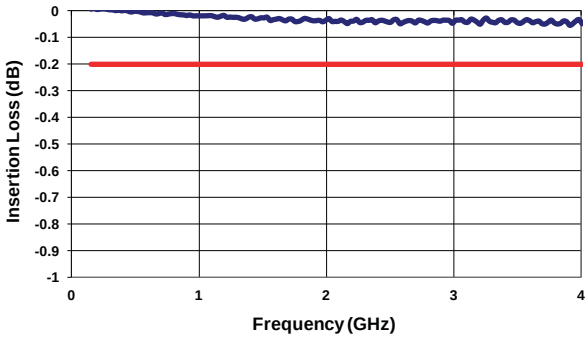
TRUTH TABLE Normally Open
CCT-38SX6C-TD

Logic Input			RF Path						Indicator Switches					
1	2	3	J1	J2	J3	J4	J5	J6	E	F	G	H	K	L
0	0	0	On	Off	Off	Off	Off	Off	C	0	0	0	0	0
1	0	0	Off	On	Off	Off	Off	Off	0	C	0	0	0	0
0	1	0	Off	Off	On	Off	Off	Off	0	0	C	0	0	0
1	1	0	Off	Off	Off	On	Off	Off	0	0	0	C	0	0
0	0	1	Off	Off	Off	Off	On	Off	0	0	0	0	C	0
1	0	1	Off	Off	Off	Off	Off	On	0	0	0	0	0	C
1	1	1	Off	Off	Off	Off	Off	Off	0	0	0	0	0	0

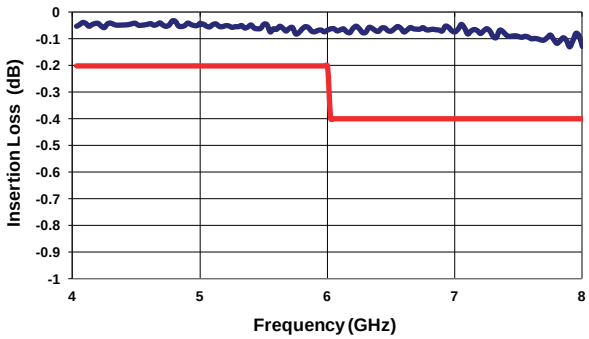
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE © 2019 TELEDYNE COAX SWITCHES

TYPICAL NARROWBAND RF INSERTION LOSS PERFORMANCE CURVES

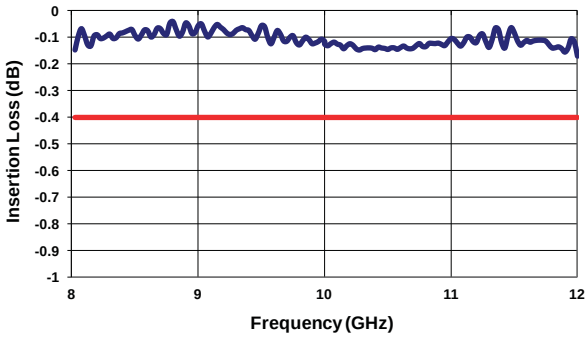
Insertion Loss (DC-4 GHz)



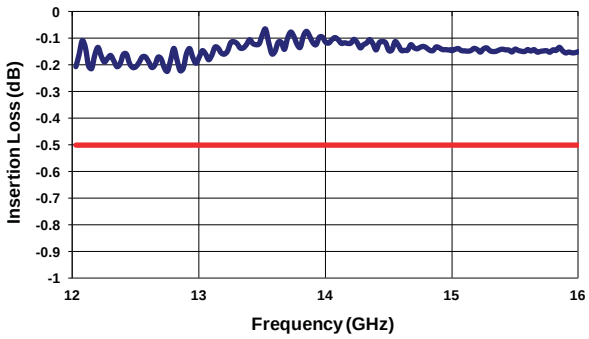
Insertion Loss (4-8 GHz)



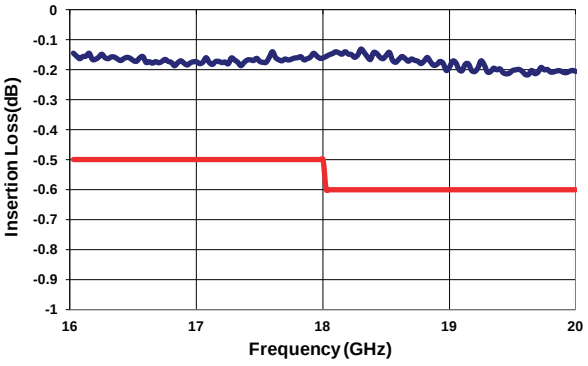
Insertion Loss (8-12 GHz)



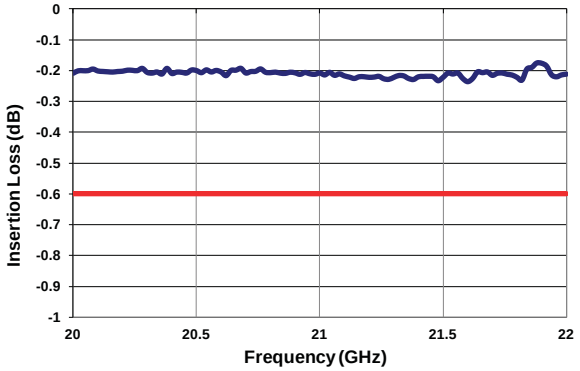
Insertion Loss (12-16 GHz)



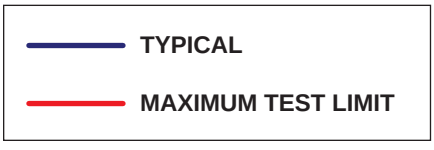
Insertion Loss (16-20 GHz)



Insertion Loss (20-22 GHz)

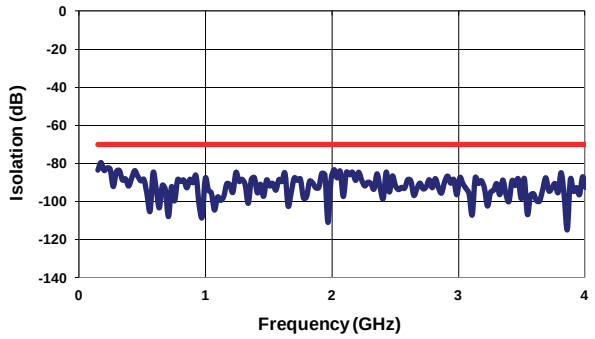


18GHz+ ELITE MODEL ONLY

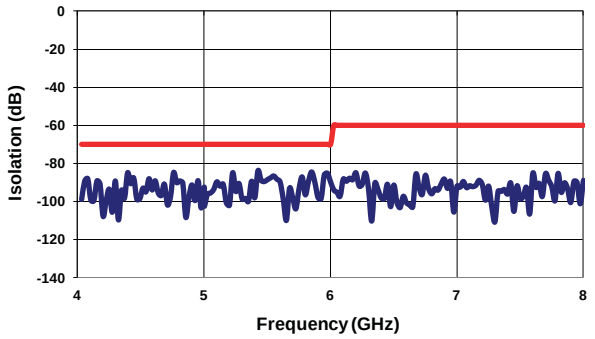


TYPICAL NARROWBAND RF ISOLATION PERFORMANCE CURVES

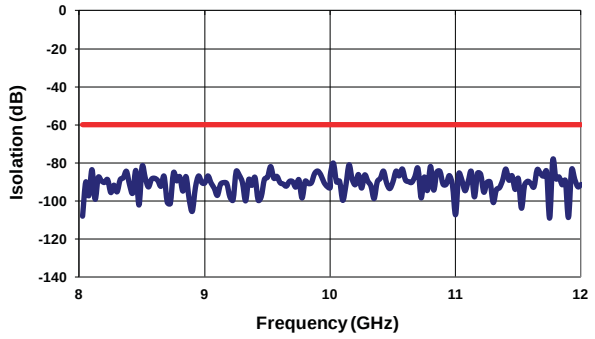
Isolation (DC-4 GHz)



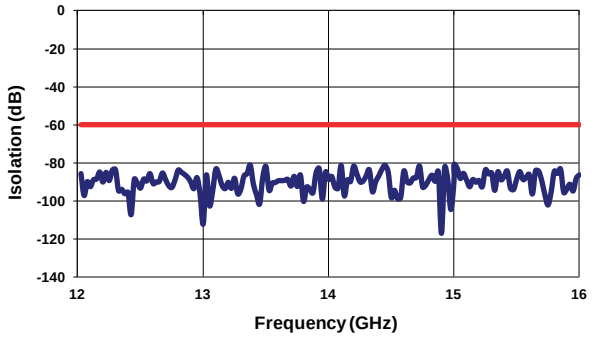
Isolation (4-8 GHz)



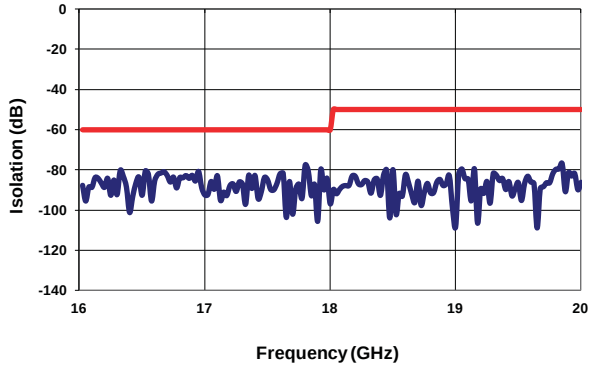
Isolation (8-12 GHz)



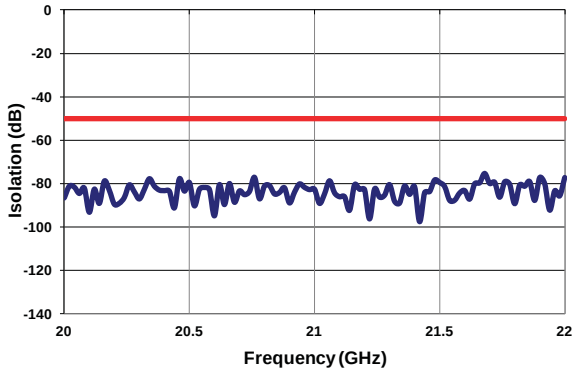
Isolation (12-16 GHz)



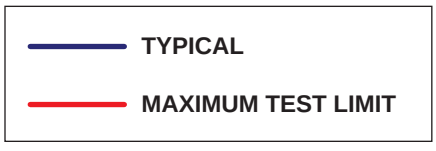
Isolation (16-20 GHz)



Isolation (20-22 GHz)



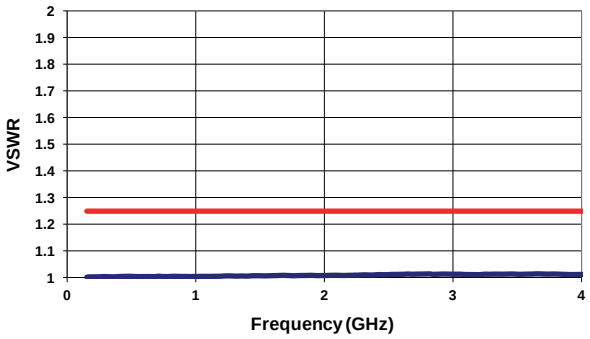
18GHz+ ELITE MODEL ONLY



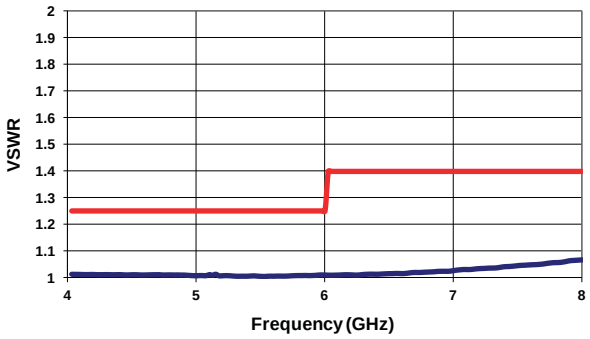
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE © 2019 TELEDYNE COAX SWITCHES

TYPICAL NARROWBAND RF VSWR PERFORMANCE CURVES

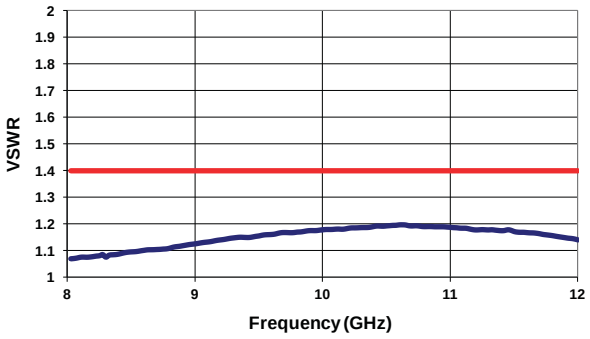
VSWR (DC-4 GHz)



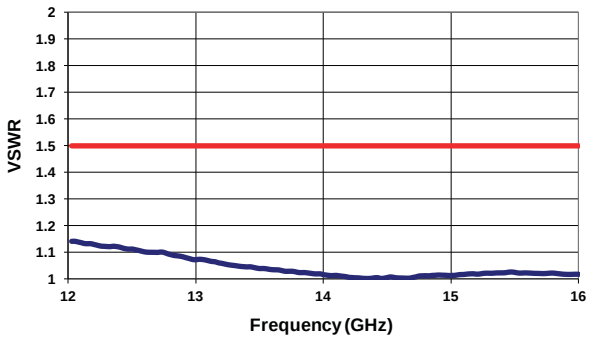
VSWR (4-8 GHz)



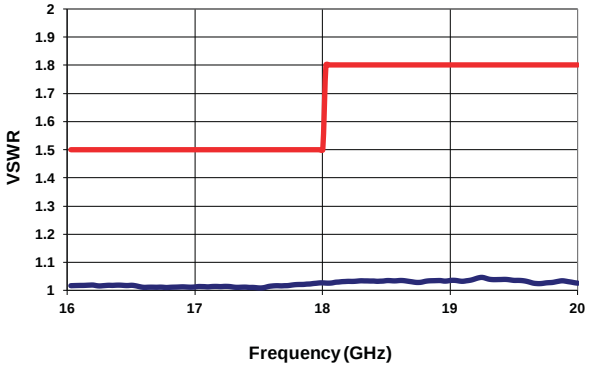
VSWR (8-12 GHz)



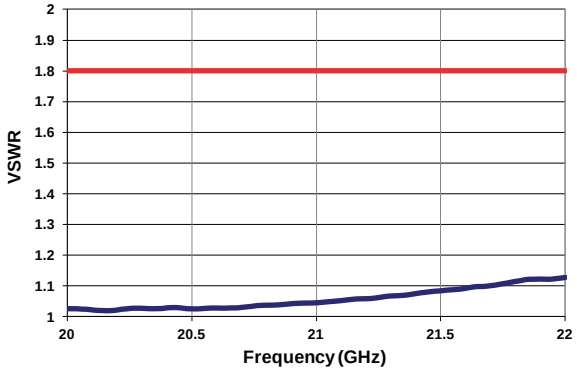
VSWR (12-16 GHz)



VSWR (16-20 GHz)



VSWR (20-22 GHz)



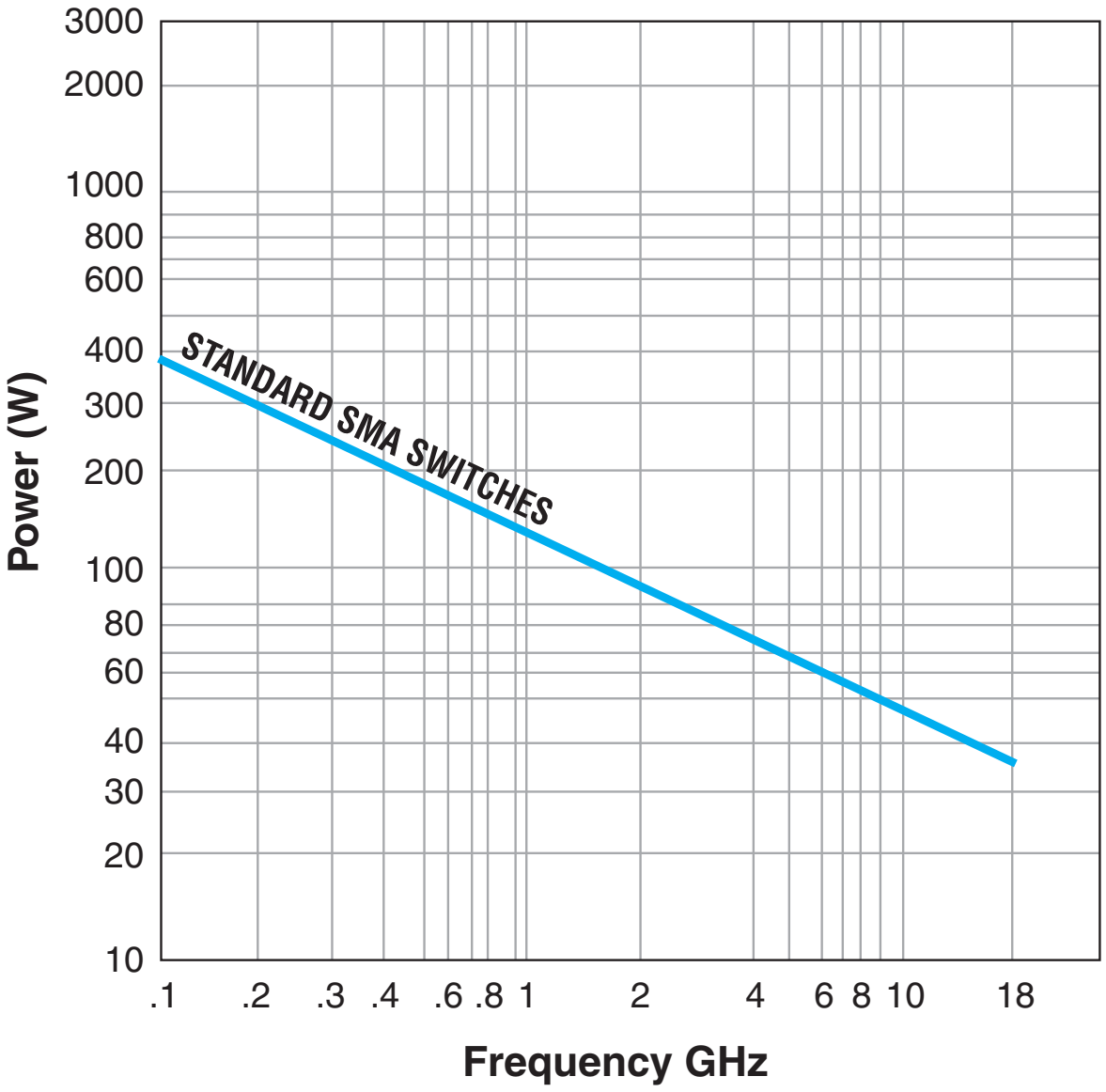
18GHz+ ELITE MODEL ONLY

TYPICAL

MAXIMUM TEST LIMIT

TYPICAL POWER PERFORMANCE CURVE

Power Handling vs. Frequency



Estimates based on the following reference conditions:
- Ambient temperature of 40°C or less
- Sea level operation
- Load VSWR of 1.20:1 maximum
- No high-power (hot) switching

Please contact Teledyne Coax Switches for derating factors when applications do not meet the foregoing reference conditions.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE © 2019 TELEDYNE COAX SWITCHES

GLOSSARY

Actuator
An actuator is the electromechanical mechanism that transfers the RF contacts from one position to another upon DC command.

Arc Suppression Diode
A diode is connected in parallel with the coil. This diode limits the "reverse EMF spike" generated when the coil de-energizes to 0.7 volts. The diode cathode is connected to the positive side of the coil and the anode is connected to the negative side.

Date Code
All switches are marked with either a unique serial number or a date code. Date codes are in accordance with MIL-STD-1285 Paragraph 5.2.5 and consist of four digits. The first two digits define the year and the last two digits define the week of the year (YYWW). Thus, 1032 identifies switches that passed through final inspection during the 32nd week of 2010.

Indicator
Indicators tell the system which position the switch is in. Other names for indicators are telemetry contacts or tellback circuit. Indicators are usually a set of internally mounted DC contacts linked to the actuator. They can be wired to digital input lines, status lights, or interlocks. Unless otherwise specified, the maximum indicator contact rating is 30 Vdc, 50 mA, or 1.5 Watts into a resistive load.

Internal Termination
Unselected ports are internally terminated to a matched load. The load is 50Ω resistive device. The max RF power rating is 2 Watts CW. Without the internal termination option, the unselected ports are open circuits.

Isolation
Isolation is the measure of the power level at the output connector of an unconnected RF channel as referenced to the power at the input connector. It is specified in dB below the input power level.

Multi-Throw Switch
A multi-throw switch is a switch with one input and three or more output ports. The CCT-38 can switch a microwave signal to any of 2,3,4,5 or 6 output from a single common input.

Switching Time
Switching time is the total interval beginning with the arrival of the leading edge of the command pulse at the switch DC input and ending with the completion of the switch transfer, including contact bounce. It consists of three parts: (1) inductive delay in the coil, (2) transfer time of the physical movement of the contacts, and (3) the bounce time of the RF contacts.

TTL Switch Driver Option
As a special option, switch drivers can be provided for both failsafe and latching switches, which are compatible with industry-standard low-power Schottky TTL circuits.

TD-Option
This option includes a decoder. The 3-bit parallel command is decoded to internally select the appropriate position. See the logic tables. The TD-Option increases the Vsw supply current demand by 50mA max at 28Vdc and +20°C.

Performance Parameters vs Frequency
Generally speaking, the RF performance of coaxial switches is frequency dependent. With increasing frequency, VSWR and insertion loss increase while isolation decreases. All data sheets specify these three parameters as "worst case" at the highest operating frequency. If the switch is to be used over a narrow frequency band, better performance can be achieved.

Actuator Current vs Temperature
The resistance of the actuator coil varies as a function of temperature. There is an inverse relationship between the operating temperature of the switch and the actuator drive current. For switches operating at 28 VDC, the approximate actuator drive current at temperature, T, can be calculated using the equation:

$$I_T = \frac{I_A}{[1 + .00385\ (T-20)]}$$

Where:

I_T = Actuator current at temperature, T

I_A = Room temperature actuator current – see data sheet

T = Temperature of interest in °C

Magnetic Sensitivity
An electro-mechanical switch can be sensitive to ferrous materials and external magnetic fields. Neighboring ferrous materials should be permitted no closer than 0.5 inches and adjacent external magnetic fields should be limited to a flux density of less than 5 Gauss.

SPECIAL FEATURE

Switching High-Power or Highly Sensitive Signals
Ensure the most linear response with the best galvanically matched contact system in the industry. Extremely low passive intermodulation is standard on all of our switches.

Carrier Frequency 1	Carrier Frequency 2	PIM 3rd Order Frequency	PIM 5th Order Frequency
870 MHz	893 MHz	847 MHz	824 MHz

	3rd Order Intermodulation	5th Order Intermodulation
Multiple Positions	–96 dBm	–115 dBm
	–139 dBc	–158 dBc

NORMALLY OPEN CCT-38S/CT-38S PART NUMBER LIST

	Part No.		Part No.		Part No.		Part No.
1	CCT-38SX3C	43	CCT-38SX3O-TMS	85	CCT-38SX4O-TDS	127	CCT-38SX5O-TDM
2	CCT-38SX3C-D	44	CCT-38SX3O-TS	86	CCT-38SX4O-TM	128	CCT-38SX5O-TDMS
3	CCT-38SX3C-DM	45	CCT-38SX4C	87	CCT-38SX4O-TMS	129	CCT-38SX5O-TDS
4	CCT-38SX3C-DR	46	CCT-38SX4C-D	88	CCT-38SX4O-TS	130	CCT-38SX5O-TM
5	CCT-38SX3C-DRM	47	CCT-38SX4C-DM	89	CCT-38SX5C	131	CCT-38SX5O-TMS
6	CCT-38SX3C-DRS	48	CCT-38SX4C-DR	90	CCT-38SX5C-D	132	CCT-38SX5O-TS
7	CCT-38SX3C-DS	49	CCT-38SX4C-DRM	91	CCT-38SX5C-DM	133	CCT-38SX6C
8	CCT-38SX3C-M	50	CCT-38SX4C-DRS	92	CCT-38SX5C-DR	134	CCT-38SX6C-D
9	CCT-38SX3C-MS	51	CCT-38SX4C-DS	93	CCT-38SX5C-DRM	135	CCT-38SX6C-DM
10	CCT-38SX3C-R	52	CCT-38SX4C-M	94	CCT-38SX5C-DRS	136	CCT-38SX6C-DR
11	CCT-38SX3C-RM	53	CCT-38SX4C-MS	95	CCT-38SX5C-DS	137	CCT-38SX6C-DRM
12	CCT-38SX3C-RMS	54	CCT-38SX4C-R	96	CCT-38SX5C-M	138	CCT-38SX6C-DRS
13	CCT-38SX3C-RS	55	CCT-38SX4C-RM	97	CCT-38SX5C-MS	139	CCT-38SX6C-DS
14	CCT-38SX3C-S	56	CCT-38SX4C-RMS	98	CCT-38SX5C-R	140	CCT-38SX6C-M
15	CCT-38SX3C-T	57	CCT-38SX4C-RS	99	CCT-38SX5C-RM	141	CCT-38SX6C-MS
16	CCT-38SX3C-TD	58	CCT-38SX4C-S	100	CCT-38SX5C-RMS	142	CCT-38SX6C-R
17	CCT-38SX3C-TDM	59	CCT-38SX4C-T	101	CCT-38SX5C-RS	143	CCT-38SX6C-RM
18	CCT-38SX3C-TDMS	60	CCT-38SX4C-TD	102	CCT-38SX5C-S	144	CCT-38SX6C-RMS
19	CCT-38SX3C-TDS	61	CCT-38SX4C-TDM	103	CCT-38SX5C-T	145	CCT-38SX6C-RS
20	CCT-38SX3C-TM	62	CCT-38SX4C-TDMS	104	CCT-38SX5C-TD	146	CCT-38SX6C-S
21	CCT-38SX3C-TMS	63	CCT-38SX4C-TDS	105	CCT-38SX5C-TDM	147	CCT-38SX6C-T
22	CCT-38SX3C-TS	64	CCT-38SX4C-TM	106	CCT-38SX5C-TDMS	148	CCT-38SX6C-TD
23	CCT-38SX3O	65	CCT-38SX4C-TMS	107	CCT-38SX5C-TDS	149	CCT-38SX6C-TDM
24	CCT-38SX3O-D	66	CCT-38SX4C-TS	108	CCT-38SX5C-TM	150	CCT-38SX6C-TDMS
25	CCT-38SX3O-DM	67	CCT-38SX4O	109	CCT-38SX5C-TMS	151	CCT-38SX6C-TDS
26	CCT-38SX3O-DR	68	CCT-38SX4O-D	110	CCT-38SX5C-TS	152	CCT-38SX6C-TM
27	CCT-38SX3O-DRM	69	CCT-38SX4O-DM	111	CCT-38SX5O	153	CCT-38SX6C-TMS
28	CCT-38SX3O-DRS	70	CCT-38SX4O-DR	112	CCT-38SX5O-D	154	CCT-38SX6C-TS
29	CCT-38SX3O-DS	71	CCT-38SX4O-DRM	113	CCT-38SX5O-DM	155	CCT-38SX6O
30	CCT-38SX3O-M	72	CCT-38SX4O-DRS	114	CCT-38SX5O-DR	156	CCT-38SX6O-D
31	CCT-38SX3O-MS	73	CCT-38SX4O-DS	115	CCT-38SX5O-DRM	157	CCT-38SX6O-DM
32	CCT-38SX3O-R	74	CCT-38SX4O-M	116	CCT-38SX5O-DRS	158	CCT-38SX6O-DR
33	CCT-38SX3O-RM	75	CCT-38SX4O-MS	117	CCT-38SX5O-DS	159	CCT-38SX6O-DRM
34	CCT-38SX3O-RMS	76	CCT-38SX4O-R	118	CCT-38SX5O-M	160	CCT-38SX6O-DRS
35	CCT-38SX3O-RS	77	CCT-38SX4O-RM	119	CCT-38SX5O-MS	161	CCT-38SX6O-DS
36	CCT-38SX3O-S	78	CCT-38SX4O-RMS	120	CCT-38SX5O-R	162	CCT-38SX6O-M
37	CCT-38SX3O-T	79	CCT-38SX4O-RS	121	CCT-38SX5O-RM	163	CCT-38SX6O-MS
38	CCT-38SX3O-TD	80	CCT-38SX4O-S	122	CCT-38SX5O-RMS	164	CCT-38SX6O-R
39	CCT-38SX3O-TDM	81	CCT-38SX4O-T	123	CCT-38SX5O-RS	165	CCT-38SX6O-RM
40	CCT-38SX3O-TDMS	82	CCT-38SX4O-TD	124	CCT-38SX5O-S	166	CCT-38SX6O-RMS
41	CCT-38SX3O-TDS	83	CCT-38SX4O-TDM	125	CCT-38SX5O-T	167	CCT-38SX6O-RS
42	CCT-38SX3O-TM	84	CCT-38SX4O-TDMS	126	CCT-38SX5O-TD	168	CCT-38SX6O-S

* X = 1 (28Vdc), 2 (15Vdc), 3 (12Vdc) and 4 (24Vdc)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE © 2019 TELEDYNE COAX SWITCHES

NORMALLY OPEN CCT-38S/CT-38S PART NUMBER LIST

	Part No.		Part No.		Part No.		Part No.
169	CCT-38SX6O-T	**211**	CT-38SX3O-RS	**253**	CT-38SX4O-RM	**295**	CT-38SX5O-MS
170	CCT-38SX6O-TD	**212**	CT-38SX3O-S	**254**	CT-38SX4O-RMS	**296**	CT-38SX5O-R
171	CCT-38SX6O-TDM	**213**	CT-38SX3O-T	**255**	CT-38SX4O-RS	**297**	CT-38SX5O-RM
172	CCT-38SX6O-TDMS	**214**	CT-38SX3O-TD	**256**	CT-38SX4O-S	**298**	CT-38SX5O-RMS
173	CCT-38SX6O-TDS	**215**	CT-38SX3O-TDM	**257**	CT-38SX4O-T	**299**	CT-38SX5O-RS
174	CCT-38SX6O-TM	**216**	CT-38SX3O-TDMS	**258**	CT-38SX4O-TD	**300**	CT-38SX5O-S
175	CCT-38SX6O-TMS	**217**	CT-38SX3O-TDS	**259**	CT-38SX4O-TDM	**301**	CT-38SX5O-T
176	CCT-38SX6O-TS	**218**	CT-38SX3O-TM	**260**	CT-38SX4O-TDMS	**302**	CT-38SX5O-TD
177	CT-38SX3C	**219**	CT-38SX3O-TMS	**261**	CT-38SX4O-TDS	**303**	CT-38SX5O-TDM
178	CT-38SX3C-D	**220**	CT-38SX3O-TS	**262**	CT-38SX4O-TM	**304**	CT-38SX5O-TDMS
179	CT-38SX3C-DM	**221**	CT-38SX4C	**263**	CT-38SX4O-TMS	**305**	CT-38SX5O-TDS
180	CT-38SX3C-DR	**222**	CT-38SX4C-D	**264**	CT-38SX4O-TS	**306**	CT-38SX5O-TM
181	CT-38SX3C-DRM	**223**	CT-38SX4C-DM	**265**	CT-38SX5C	**307**	CT-38SX5O-TMS
182	CT-38SX3C-DRS	**224**	CT-38SX4C-DR	**266**	CT-38SX5C-D	**308**	CT-38SX5O-TS
183	CT-38SX3C-DS	**225**	CT-38SX4C-DRM	**267**	CT-38SX5C-DM	**309**	CT-38SX6C
184	CT-38SX3C-M	**226**	CT-38SX4C-DRS	**268**	CT-38SX5C-DR	**310**	CT-38SX6C-D
185	CT-38SX3C-MS	**227**	CT-38SX4C-DS	**269**	CT-38SX5C-DRM	**311**	CT-38SX6C-DM
186	CT-38SX3C-R	**228**	CT-38SX4C-M	**270**	CT-38SX5C-DRS	**312**	CT-38SX6C-DR
187	CT-38SX3C-RM	**229**	CT-38SX4C-MS	**271**	CT-38SX5C-DS	**313**	CT-38SX6C-DRM
188	CT-38SX3C-RMS	**230**	CT-38SX4C-R	**272**	CT-38SX5C-M	**314**	CT-38SX6C-DRS
189	CT-38SX3C-RS	**231**	CT-38SX4C-RM	**273**	CT-38SX5C-MS	**315**	CT-38SX6C-DS
190	CT-38SX3C-S	**232**	CT-38SX4C-RMS	**274**	CT-38SX5C-R	**316**	CT-38SX6C-M
191	CT-38SX3C-T	**233**	CT-38SX4C-RS	**275**	CT-38SX5C-RM	**317**	CT-38SX6C-MS
192	CT-38SX3C-TD	**234**	CT-38SX4C-S	**276**	CT-38SX5C-RMS	**318**	CT-38SX6C-R
193	CT-38SX3C-TDM	**235**	CT-38SX4C-T	**277**	CT-38SX5C-RS	**319**	CT-38SX6C-RM
194	CT-38SX3C-TDMS	**236**	CT-38SX4C-TD	**278**	CT-38SX5C-S	**320**	CT-38SX6C-RMS
195	CT-38SX3C-TDS	**237**	CT-38SX4C-TDM	**279**	CT-38SX5C-T	**321**	CT-38SX6C-RS
196	CT-38SX3C-TM	**238**	CT-38SX4C-TDMS	**280**	CT-38SX5C-TD	**322**	CT-38SX6C-S
197	CT-38SX3C-TMS	**239**	CT-38SX4C-TDS	**281**	CT-38SX5C-TDM	**323**	CT-38SX6C-T
198	CT-38SX3C-TS	**240**	CT-38SX4C-TM	**282**	CT-38SX5C-TDMS	**324**	CT-38SX6C-TD
199	CT-38SX3O	**241**	CT-38SX4C-TMS	**283**	CT-38SX5C-TDS	**325**	CT-38SX6C-TDM
200	CT-38SX3O-D	**242**	CT-38SX4C-TS	**284**	CT-38SX5C-TM	**326**	CT-38SX6C-TDMS
201	CT-38SX3O-DM	**243**	CT-38SX4O	**285**	CT-38SX5C-TMS	**327**	CT-38SX6C-TDS
202	CT-38SX3O-DR	**244**	CT-38SX4O-D	**286**	CT-38SX5C-TS	**328**	CT-38SX6C-TM
203	CT-38SX3O-DRM	**245**	CT-38SX4O-DM	**287**	CT-38SX5O	**329**	CT-38SX6C-TMS
204	CT-38SX3O-DRS	**246**	CT-38SX4O-DR	**288**	CT-38SX5O-D	**330**	CT-38SX6C-TS
205	CT-38SX3O-DS	**247**	CT-38SX4O-DRM	**289**	CT-38SX5O-DM	**331**	CT-38SX6O
206	CT-38SX3O-M	**248**	CT-38SX4O-DRS	**290**	CT-38SX5O-DR	**332**	CT-38SX6O-D
207	CT-38SX3O-MS	**249**	CT-38SX4O-DS	**291**	CT-38SX5O-DRM	**333**	CT-38SX6O-DM
208	CT-38SX3O-R	**250**	CT-38SX4O-M	**292**	CT-38SX5O-DRS	**334**	CT-38SX6O-DR
209	CT-38SX3O-RM	**251**	CT-38SX4O-MS	**293**	CT-38SX5O-DS	**335**	CT-38SX6O-DRM
210	CT-38SX3O-RMS	**252**	CT-38SX4O-R	**294**	CT-38SX5O-M	**336**	CT-38SX6O-DRS

* X = 1 (28Vdc), 2 (15Vdc), 3 (12Vdc) and 4 (24Vdc)

© 2019 TELEDYNE RELAYS

NORMALLY OPEN CCT-38S/CT-38S PART NUMBER LIST

	Part No.
337	CT-38SX6O-DS
338	CT-38SX6O-M
339	CT-38SX6O-MS
340	CT-38SX6O-R
341	CT-38SX6O-RM
342	CT-38SX6O-RMS
343	CT-38SX6O-RS
344	CT-38SX6O-S
345	CT-38SX6O-T
346	CT-38SX6O-TD
347	CT-38SX6O-TDM
348	CT-38SX6O-TDMS
349	CT-38SX6O-TDS
350	CT-38SX6O-TM
351	CT-38SX6O-TMS
352	CT-38SX6O-TS

* X = 1 (28Vdc), 2 (15Vdc), 3 (12Vdc) and 4 (24Vdc)

© 2019 TELEDYNE COAX SWITCHES

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP