

1
2
3
4
5
6

PT02E12-10P-072 CONNECTOR
W/2 C-FORM CONTACTS

PT02E10-6P-072 CONNECTOR
W/1 C-FORM CONTACT

COAXIAL

REVISIONS		APPROVALS			
SYM	DESCRIPTION	DATE	ENGR	PROD	Q. A.

POWER CONNECTOR

1.0 ELECTRICAL

1.1 OPERATING FREQUENCIES: DC - 2.0 GHZ
1.0 - 3.0 GHZ
3.5 - 4.2 GHZ
5.85 - 8.2 GHZ

1.2 RETURN LOSS: -18DB MIN

1.3 ISOLATION: 60DB MIN

1.4 INSERTION LOSS: .25DB MAX

1.5 DRIVING VOLTAGE: OPTIONAL

1.7 C-FORM CONTACTS: OPTIONAL

1.8 INHIBIT CONTACTS: OPTIONAL

1.9 SWITCHING TIME: 60 MSEC MAX

1.10 POWER CONNECTOR: OPTIONAL

2.0 MECHANICAL

2.1 COAX CONNECTORS: TYPE-N OR SMA

2.2 MATERIAL: 80% ALUMINUM

2.3 FINISH: LUSTERON ON COAX SECTION, ANODIZE ON DRIVER

2.4 WEIGHT: .32 KG

3.0 ENVIRONMENTAL

3.1 OPERATING TEMP: -40° TO +75° C

3.2 NON OPERATING TEMP: -50° TO +100° C

3.3 HUMIDITY: 100%

3.4 SHOCK & VIBRATION: STD SHIPPING

COAXIAL DETAILS

S
SMA
Connector

N
N
Connector

S
Side
Connector

W
Weather
Lock
(19 pin only)

19P
19 pin

10P
10 pin

6P
6 pin

Special
wiring
See
Wiring
Diagrams

M
Manual

P
Positive

N
Negative

AST C

Frequency

Option

Option 1
(omit if
not needed)

Option 2
(omit if
not needed)

Connector
option

Option 3
(omit if
not needed)

Voltage
Option

Voltage
(omit for manual)

Code	1	2	3	4
Connector	N or SMA	N or SMA	N or SMA	N or SMA
Freq Range (GHz)	DC - 2.0	1.0 - 3.0	3.5 - 4.2	5.85 - 8.2

Coax switch standard is 10P with 2 Form-C contacts. 19P requires larger driver

BREAK ALL CORNERS AND SHARP EDGES

UNLESS OTHERWISE SPECIFIED		DRAWN	MC	05/27/2017
FRACTIONAL DECIMAL .XXX ± 1/32 ANGULAR .XX ± .020 ± 1/2"	DO NOT SCALE	CHECKER		
MATERIAL: NOTED SPEC:	FINISH: NOTED SPEC:	MECH. ENGR.		
		ELEC. ENGR.		
		PROD. ENGR.		
		CHIEF ENGR.		

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COAXIAL SWITCH

C-BAND

SCALE

SHEET 1 OF 1

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