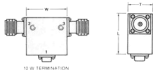


CELLULAR RADIO & PCN / PCS 3 & 4 PORT ISOLATORS

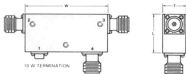
Microwave Technology Corporation has developed a range of devices designed for CELLULAR BASE STATIONS Cellular Mobile Communications PCN / PCS, VSAT and paging at 400 MHz, 800 MHz, 900 MHz and at 1800 MHz. For variations of frequency range or other specifications please contact our office.

ISOLATOR OUTLINE DRAWINGS

3-PORT



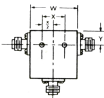
4-PORT



NOTE : 4-Port H-Configuration also available.

- N [F] connectors are standard for cellular applications.
- SMA [F] connectors are standard for PCN applications.
- Different types of connectors can be interchanged including pins, tabs and sockets.
- Extra ports as test port or sniffer port to monitor input power or reflected power can be included.
- Integral loads up to 100 Watts are available.

MOUNTING HOLES FOR STANDARD ISOLATORS & CIRCULATORS



W mm.	X mm.	Y mm.	Screw mm.
70	50	10	3
54	40	10	3
52	40	25*	3
48	40	10	3
41	25	6.5	3
35	27	9.7	3
32	24	6.5	3
25	19	6.5	2
19	11	6.5	2
16	10	6.5	2
13 ⁺	-	-	-

All thread depths are 4 mm. minimum
Except W = 52 mm., depth is 3.2 mm.

- * Mounting holes are not in line with connectors
- + Standard units are not supplied with mounting holes.

NOTE : Different mounting options are available such as

- Through holes
- Tapped holes on side faces
- Tapped holes on top/bottom faces

GENERAL INFORMATION

CONNECTORS

All standard models are equipped with SMA [F] connectors. Other type of connectors including tabs, pins and sockets are available on special orders. The following connectors are always available from stock : SMA [F], SMA [M], N [F], N [M], tabs and Pins.

The standard pin connections are as shown



TERMINATIONS

Standard Isolators have 1 watt termination. Other terminations are available on special order. We stock the following terminations : 1 watt, 10 watts, 15 watts, 20 watts, and 40 watts.

IMPORT DUTY

The following countries can import our products free of import duty by a special system of preference : USA, EEC, Canada, Japan, U.K., Austria, Norway, Sweden, Switzerland.

SPECIAL ORDERS

Enquiries are invited for other frequency range not listed or for more stringent thermal, shock and vibration conditions. Full magnetic shielding and EMI shielding are available on special order.

Phase matched units are available

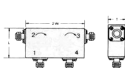
WARRANTY

MTC Ferrite Products are warranted to be free of defects in workmanship and material and to comply with applicable operating specifications for a period of one year from date of shipment.

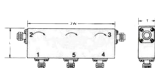
MULTI-PORT ISOLATORS & CIRCULATORS



**4-PORT
H-CONFIGURATION**



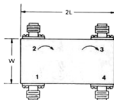
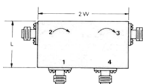
**4-PORT
T-CONFIGURATION**



5-PORT

Multi-port Isolators & Circulators are available in all the frequency ranges. High isolation is obtained by combining 2 or more junctions into a single package. Load termination can be substituted for any of the connectors in the above drawings.

TYPE NUMBER DESCRIPTION



MODEL : X X XX A XXX

BAND

B 0.25 - 0.5 GHz
C 0.5 - 1 GHz
D 1 - 2 GHz
E 2 - 3 GHz
F 3 - 4 GHz
G 4 - 6 GHz
H 6 - 8 GHz
I 8 - 10 GHz
J 10 - 13 GHz
K 13 - GHz

CONNECTOR TYPES

1. SMA
2. N
3. TNC
4. Combination types 1,2,3
5. Other
6. TAB
7. Combination types 1,2,3,6
8. Pin
9. Combination types 1,2,3,8

ALLOCATION OF
FREQUENCY RANGE
[SEE CATALOG]
ALSO SIZE
AND CONFIGURATION
AND OTHER SPECS

ANTI-CLOCKWISE
ADD A IF
CLOCKWISE OMIT

GENDER OF CONNECTOR
OR POWER RATING OF
LOAD IN SEQUENCE
1,2,3, [4 IF 4 PORTS]
M : MALE
F : FEMALE
P : PIN [0.5 MM. DIA.]
T : TABS
V : 1 WATT LOAD
W : 10 WATTS LOAD
X : 15 WATTS LOAD
Y : 20 WATTS LOAD
Z : 40 WATTS LOAD