

Features

- Distribute receive signals from two cables and combine with E/O signals.
- Split for 1xCDMA800, 1xGSM900, 3xGSM1800 and 1xGSM1900 systems
- Low insertion loss.



Product Description

The POI-014T is a cellular receive multicoupler for cost effective, multi-operator in-building receiving system. This multicoupler is designed to distribute receive signals from two cable inputs for 1xCDMA800, 1xGSM900, 3xGSM1800 and 1xGSM1900. These are also combined from E/O ports for GSM1800/1900.

Technical Specifications

Electrical

Number of Input Ports	
- Uplink Port	2
- E/O Port	2
Number of Output Ports	6
Frequency Range (Receive) - [MHz]	
- CDMA 800	825 - 835
- GSM 900	897.5 - 915
- GSM 1800 - 1	1710.0 - 1722.6
- GSM 1800 - 2	1722.6 - 1747.9
	1760.5 - 1785
- GSM 1800 - 3	1747.9 - 1760.5
- GSM 1900	1885 - 1900
Insertion Loss (Input-Output) - [dB]	
- CDMA800/GSM900	< 5.0
- GSM1800	< 6.5
- GSM1900	< 6.0
Insertion Loss (Input - E/O) - [dB]	
- GSM1800/1900	< 30
Isolation Between Input Ports - [dB]	> 20

Electrical (con't)

Return Loss, Input Port - [dB]	
- CDMA800/GSM900	> 16
- GSM1800/1900	> 18
Return Loss, Output Port - [dB]	> 14
Impedance - [ohm]	50
Power Requirement	No Power Required

Mechanical

Dimension DxWxH - [mm]	473 x 483 x 266
Mounting	19" Rack Mount
Weight - [kg]	Approx 40
RF Connector Type	N-Female
Reliability - [hr]	> 100,000
Operating Temperature - [°C]	-10 to +45
Operating Humidity - [%]	< 95
Environmental Class	Indoor

Block Schematic

