

Twin Triplexer 380-960/1350-2200/2300- 2700, DC-sense with 4.3-10 connectors

- BTS-to-feeder and feeder-to-antenna application
- Automatic dc switching with dc sense
- New 4.3-10 connectors for improved PIM performance and size reduction

Product Classification

Product Type	Triplexer
General Specifications	
Color	Gray
Modularity	2-Twin
Mounting	Pole Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Long neck
Dimensions	
Height	102 mm 4.016 in
Width	168.5 mm 6.634 in
Depth	116.5 mm 4.587 in
Mounting Pipe Diameter Range	43–122 mm

Outline Drawing



©2025 ANDREW, an Amphenol company. All rights reserved. Amphenol and ANDREW are registered trademarks of Amphenol and/or its affiliates in the U.S. and other countries. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 15, 2025

Page 1 of 4



Electrical Specifications

Impedance

50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Auto sensing
dc/AISG Pass-through Path	Auto sensing circuitry detects dc/AISG signal presence and selects path
dc/AISG Pass-through, combiner	Autosensing
dc/AISG Pass-through, demultiplexer	Autosensing
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Page 2 of 4



©2025 ANDREW, an Amphenol company. All rights reserved. Amphenol and ANDREW are registered trademarks of Amphenol and/or its affiliates in the U.S. and other countries. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 15, 2025

Sub-module	1 2	1 2	1 2
Branch	1	2	3
Port Designation	380-960	1350-2200	2300-2700

Electrical Specifications, Band Pass

Frequency Range, MHz	380-960	1350-2200	2300-2700
Insertion Loss, typical, dB	0.2	0.2	0.2
Return Loss, typical, dB	20	20	20
Isolation, typical, dB	52	52	52
Input Power, RMS, maximum, W	200	200	200
Input Power, PEP, maximum, W	2000	2000	2000
3rd Order PIM, typical, dBc	-162	-162	-162
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Logic Table

Page 3 of 4



©2025 ANDREW, an Amphenol company. All rights reserved. Amphenol and ANDREW are registered trademarks of Amphenol and/or its affiliates in the U.S. and other countries. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 15, 2025

		Combining Mode	Operation (Bottom)		
PORT 1 380-960	PORT 2 1695-2200	PORT 3 2300-2700	соммол		
	RF Ports In	put Voltage		DC/AISG Path Selection	DC/AISG PORT Priorit
Any*	Any*	7 ≤ V ≤ 30	<7	380-960 MHz "OFF" 1695-2200 MHz "OFF" 2300-2700MHz "ON"	
′ ≤ V ≤ 30	Any*	<7	<7	380-960 MHz "ON" 1695-2200 MHz "OFF" 2300-2700MHz "OFF"	PORT 3 [Highest] PORT 1
<7	7 ≤ V ≤ 30	<7	<7	380-960 MHz "OFF" 1695-2200 MHz "ON" 2300-2700MHz "OFF"	PORI 2 [Lowest]
<7	<7	<7	<7	ALL PORTS OFF	

Note: When two or more DC/AISG are available, port with higher priority is bypassed to common

		Splitting Mode O	peration (Tower Top)	
	RF Ports Impedan	e DC (Load Sense)		
PORT 1 380-960	PORT 2 1695-2200	PORT 3 2300-2700	COMMON	DC/AISG Path Selection
Short	Short	Short	7 ≤ V ≤ 30	ALL PORTS OFF
Open/ Load	Open/ Load	Open/ Load	7 ≤ V ≤ 30	ALL PORTS ON
One	or more port(s) are Open/	Load	7 ≤ V ≤ 30	DC/AISG will be be passed to ALL Open/Load port(s)

Note: In this mode DC/AISG will be passed to all detected ports and blocked at shortened ones

Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	Up to 100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Environmental Test Method	ETSI EN 300 019-1-4
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware	
Volume	2 L	
Weight, with mounting hardware	3.9 kg 8.598 lb	
Weight, without mounting hardware	3.5 kg 7.716 lb	

Page 4 of 4



©2025 ANDREW, an Amphenol company. All rights reserved. Amphenol and ANDREW are registered trademarks of Amphenol and/or its affiliates in the U.S. and other countries. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 15, 2025