Isolation Specfication

(Per Manfacturer)

MGT2800-SDP/U

Model	MGT	2812		2815		2818		2821		2824		2827		2830		2833		2836	
Insertion Loss																			
(dB)	5	10.7	±1.8	13.8	±2.0	17.4	±1.5	20.0	±1.5	22.8	±1.5	25.5	±1.5	28.7	±1.5	32.8	±1.5	35.4	±1.5
	10	10.7	±1.8	13.8	±2.0	17.4	±1.5	20.0	±1.5	22.8	±1.5	25.5	±1.5	28.7	±1.5	32.8	±1.5	35.4	±1.5
	30-50	10.6	±1.8	13.6	±2.0	17.9	±1.5	21.0	±1.5	24.4	±1.7	26.6	±1.7	30.2	±2.2	33.0	±2.2	35.9	±2.2
	100	10.6	±1.8	13.7	±2.0	17.9	±1.5	21.0	±1.5	24.3	±1.7	26.6	±1.7	30.1	±2.2	33.0	±2.2	35.9	±2.2
	300	11.1	±1.8	14.4	±2.0	18.3	±1.5	21.0	±1.5	24.4	±1.7	26.7	±1.7	30.1	±2.2	33.0	±2.2	35.8	±2.2
	450	11.4	±1.8	14.7	±2.0	18.3	±1.5	21.3	±1.5	24.6	±1.7	27.1	±1.7	30.4	±2.2	33.3	±2.2	35.8	±2.2
	550	11.6	±1.8	14.9	±2.0	18.0	±1.5	21.5	±1.5	24.8	±1.7	27.0	±1.7	30.2	±2.2	33.2	±2.2	35.7	±2.2
	750	12.2	±1.8	15.7	±2.0	17.8	±1.5	21.2	±1.5	24.9	±1.7	26.4	±1.7	29.3	±2.2	33.0	±2.2	35.7	±2.2
	860	12.6	±1.8	16.7	±2.0	17.9	±2.0	21.1	±2.0	25.3	±2.0	28.2	±2.0	29.4	±2.2	32.9	±2.2	35.9	±2.2
	1000	13.5	±2.3	18.6	±2.8	18.7	±2.0	21.9	±2.0	25.7	±2.0	28.3	±2.0	30.3	±3.0	32.6	±3.0	36.2	±3.0
Insertion Loss Variation																			
(dB)	5			3.5	3.7	1.9	2.1	1.1	1.3	1.0	1.2	0.6	0.8	0.6	0.8	0.5	0.7	0.5	0.7
	30-50			3.4	3.6	1.4	1.6	0.9	1.1	0.8	1.0	0.5	0.7	0.5	0.7	0.4	0.6	0.4	0.6
	100			3.5	3.7	1.4	1.6	0.9	1.1	0.8	1.0	0.6	0.8	0.5	0.7	0.4	0.6	0.4	0.6
	300			3.7	3.9	1.7	1.9	1.0	1.2	1.0	1.2	0.6	0.8	0.7	0.9	0.5	0.7	0.5	0.7
	450			4.0	4.2	2.1	2.3	1.2	1.4	1.1	1.3	0.7	0.9	0.8	1.0	0.6	0.8	0.6	0.8
	550			4.3	4.5	2.5	2.7	1.4	1.6	1.2	1.4	0.9	1.1	0.9	1.1	0.8	1.0	0.8	1.0
	750			4.6	4.8	2.9	3.1	1.7	1.9	1.4	1.6	1.1	1.3	1.1	1.3	1.0	1.2	1.0	1.2
	860			4.6	4.8	3.2	3.4	2.0	2.2	1.6	1.8	1.3	1.5	1.3	1.5	1.2	1.4	1.2	1.4
	1000			4.6	4.8	3.6	3.8	2.3	2.5	1.9	2.1	1.5	1.7	1.5	1.7	1.4	1.6	1.4	1.6
Isolation																			
Tap to Out (dB)	5-29			24		26		31		34		38		40		40		42	
	30-449			26		30		34		36		40		42		44		46	
	450-599			26		30		34		36		40		42		44		46	
	600-749			26		30		34		36		38		40		42		44	
	750-899			25		28		32		34		36		38		40		44	
	860-1000			25		28		30		34		36		38		40		42	
Isolation																			
Tap to Tap (dB)	5-29	24		24		24		24		24		24		24		24		24	
	30-449	26		26		26		26		26		26		26		26		26	
	450-599	26		26		26		26		26		26		26		26		26	
	600-749	24		24		24		24		24		24		24		24		24	
	750-899	24		24		24		24		24		24		24		24		24	
	860-1000	22		22		22		22		22		22		22		22		22	
Isolation																			
In & Out (dB)	5-29	18		17		18		17		18		18		18		18		18	
	30-599	18		18		18		18		18		18		18		18		18	
	600-859	17		17		17		17		17		17		17		17		17	
	860-1000	17		17		17		17		17		17		17		17		17	
Isolation																			
Tap (dB)	5-29	18		17		17		17		17		18		18		18		18	
	30-599	18		18		18		18		18		18		18		18		18	
	600-859	17		17		17		17		17		17		17		17		17	
	860-1000	16		16		16		16		16		16		16		16		16	
Isolation																			
@ 10 Amps. (dB)	5-49			64		64		70		70		70		70		70		70	
	50-599			70		70		70		70		70		70		70		70	
	600-749			64		64		70		70		70		70		70		70	
	750-1000			60		60		64		64		64		64		64		64	
Return Loss																			
(dB)	5-1000	±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35	
Isolation																			
(dB)	5-1000	110		110		110		110		110		110		110		110		110	
Power Rating		12 Amps Continuous, 60 - 90 Volts																	

Specifications subject to change without notice.

Rev. A

MGT2400-SDP/U

Model	MGT	2408		2411		2414		2417		2420		2423		2426		2429		2432		2435	
(dB)	5	7.2	±1.5	10.3	±1.5	14.3	±1.5	16.6	±2.0	19.9	±2.1	22.4	±2.5	25.5	±2.1	27.8	±2.1	30.9	±2.1	34.2	±2.1
	30-50	7.2	±1.5	10.3	±1.5	14.3	±1.5	17.3	±2.0	19.9	±2.1	23.2	±2.5	26.0	±2.1	28.8	±2.1	32.0	±2.1	35.3	±2.1
	50	7.2	±1.5	10.2	±2.0	14.5	±1.5	17.6	±1.5	20.9	±1.5	23.5	±1.5	26.3	±1.5	29.2	±1.5	32.5	±1.5	35.7	±1.5
	100	7.2	±1.5	10.2	±2.0	14.5	±1.5	17.6	±1.5	20.9	±1.5	23.5	±1.5	26.2	±1.5	29.0	±1.5	32.0	±1.5	35.1	±1.5
	300	7.5	±1.5	10.8	±2.0	14.8	±1.5	17.9	±1.5	20.9	±1.5	22.8	±1.5	25.9	±1.5	27.7	±1.5	32.0	±1.5	35.1	±1.5
	450	7.7	±1.5	10.8	±2.0	14.8	±1.5	17.8	±1.5	20.8	±1.5	22.5	±1.5	26.0	±1.5	27.1	±1.5	32.1	±1.5	35.2	±1.5
	550	7.8	±1.5	10.8	±2.0	14.9	±1.5	17.8	±1.5	20.6	±1.5	22.4	±1.5	26.0	±1.5	26.9	±1.5	32.2	±1.5	35.4	±1.5
	750	8.2	±1.5	11.4	±2.0	14.8	±1.5	17.6	±1.5	20.1	±1.5	21.9	±1.5	25.7	±1.5	26.4	±1.5	32.3	±1.5	35.5	±1.5
	860	8.4	±1.5	12.0	±2.0	14.8	±2.0	17.6	±2.0	19.7	±2.0	21.8	±2.0	25.8	±2.0	25.9	±2.0	31.8	±2.0	34.7	±2.0
	1000	9.1	±1.5	13.1	±2.5	15.6	±2.0	18.2	±2.2	19.2	±2.0	20.6	±2.0	26.3	±2.0	25.6	±2.0	32.6	±2.0	35.2	±2.0
(dB)	5			3.9	4.1	1.9	2.1	1.2	1.4	1.0	1.2	0.7	0.9	0.7	0.9	0.7	0.9	0.5	0.7	0.5	0.7
	30-50			3.4	3.6	1.4	1.6	0.8	1.0	0.8	1.0	0.5	0.7	0.5	0.7	0.5	0.7	0.4	0.6	0.4	0.6
	100			3.6	3.8	1.4	1.6	0.8	1.0	0.8	1.0	0.6	0.8	0.6	0.8	0.6	0.8	0.4	0.6	0.4	0.6
	300			3.8	4.0	1.7	1.9	1.0	1.2	0.9	1.1	0.6	0.8	0.6	0.8	0.6	0.8	0.5	0.7	0.5	0.7
	450			4.1	4.3	2.0	2.2	1.2	1.4	1.0	1.2	0.8	1.0	0.8	1.0	0.8	1.0	0.7	0.9	0.7	0.9
	550			4.4	4.6	2.3	2.5	1.4	1.6	1.1	1.3	0.9	1.1	0.9	1.1	0.9	1.1	0.9	1.1	0.9	1.1
	750			4.6	4.8	1.7	2.9	1.8	1.8	1.3	1.5	1.2	1.4	1.2	1.4	1.2	1.4	1.1	1.3	1.1	1.3
	860			4.6	4.8	3.1	3.3	1.9	2.1	1.5	1.7	1.4	1.6	1.4	1.6	1.4	1.6	1.3	1.5	1.3	1.5
	1000			4.6	4.8	3.5	3.7	2.3	2.5	1.8	2.0	1.6	1.8	1.6	1.8	1.6	1.8	1.5	1.7	1.5	1.7
Tap to Out (dB)	5-29			20		22		20		26		30		33		36		40		40	
	30-449			24		26		30		34		38		40		42		44		46	
	450-599			24		26		30		34		38		40		42		44		46	
	600-749			24		26		30		34		36		38		40		42		44	
	750-859			23		25		28		32		34		36		38		40		42	
	860-1000			23		25		28		32		34		36		38		40		42	
Tap to Tap (dB)	5-29	24		19		24		18		21		24		25		24		24		24	
	30-449	26		26		26		26		26		26		26		26		26		26	
	450-599	26		26		26		26		26		26		26		26		26		26	
	600-749	24		24		24		24		24		24		24		24		24		24	
	750-859	24		24		24		24		24		24		24		24		24		24	
	860-1000	22		22		22		22		22		22		22		22		22		22	
In & Out (dB)	5-29	17		13		17		15		15		16		18		16		17		17	
	30-599	18		18		18		18		18		18		18		18		18		18	
	600-859	17		17		17		17		17		17		17		17		17		17	
	860-1000	17		17		17		17		17		17		17		17		17		17	
Tap (dB)	5-29	18		18		18		18		18		17		18		17		16		18	
	30-599	18		18		18		18		18		18		18		18		18		18	
	600-859	17		17		17		17		17		17		17		17		17		17	
	860-1000	16		16		16		16		16		16		16		16		16		16	
@ 10 Amps. (dB)	5-49			64		64		70		70		70		70		70		70		70	
	50-599			70		70		70		70		70		70		70		70		70	
	600-749			64		64		70		70		70		70		70		70		70	
	750-1000			60		60		64		64		64		64		64		64		64	
(dB)	5-1000	±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35	
(dB)	5-1000	110		110		110		110		110		110		110		110		110		110	
Power Rating		12 Amps Continuous, 60 - 90 Volts																			

Specifications subject to change without notice.

Rev. A

MGT2200-SDP/U

Model	MGT	2204		2208		2211		2214		2217		2220		2223		2226		2229		2232	
(dB)	5	3.2	±1.5	7.0	±1.5	10.3	±1.5	14.3	±1.5	15.7	±2.2	18.3	±2.2	21.3	±2.2	24.3	±2.2	27.2	±2.2	30.6	±2.2
	10	3.4	±1.5	7.3	±1.5	10.8	±1.5	15.0	±1.5	17.1	±2.2	19.8	±2.2	22.8	±2.2	25.6	±2.2	28.7	±2.2	31.7	±2.2
	30-50	3.3	±1.5	7.3	±2.0	10.9	±1.5	15.3	±1.7	17.5	±1.5	20.1	±1.5	23.0	±1.5	26.0	±1.5	28.9	±1.5	32.1	±1.5
	100	3.4	±1.5	7.2	±2.0	11.1	±1.5	15.3	±1.7	17.4	±1.5	20.0	±1.5	22.7	±1.5	25.6	±1.5	28.4	±1.5	31.4	±1.5
	300	3.6	±1.5	7.7	±2.0	11.4	±1.5	15.1	±1.7	17.4	±1.5	19.9	±1.5	22.6	±1.5	25.5	±1.5	28.4	±1.5	31.2	±1.5
	450	3.7	±1.5	7.8	±2.0	11.3	±1.5	15.0	±1.7	17.3	±1.5	19.9	±1.5	22.6	±1.5	25.5	±1.5	28.3	±1.5	31.2	±1.5
	550	3.8	±1.5	7.9	±2.0	11.2	±1.5	14.9	±1.7	17.3	±1.5	20.0	±1.5	22.6	±1.5	25.6	±1.5	28.4	±1.5	31.2	±1.5
	750	4.1	±1.5	8.5	±2.0	11.3	±1.5	14.9	±1.7	17.3	±1.5	20.2	±1.5	22.9	±1.5	25.8	±1.5	28.8	±1.5	31.2	±1.5
	860	4.2	±2.0	8.9	±2.5	11.5	±2.0	14.9	±2.0	17.3	±2.0	20.6	±2.0	23.4	±2.0	26.4	±2.0	29.6	±2.0	31.8	±2.0
	1000	4.4	±2.0	9.8	±2.5	12.1	±2.0	15.6	±2.0	17.5	±2.0	21.3	±2.0	24.5	±2.0	27.8	±2.0	31.1	±2.0	32.3	±2.0
(dB)	5			3.6	3.8	1.9	2.1	1.2	1.4	1.0	1.2	0.7	0.9	0.7	0.9	0.5	0.7	0.5	0.7	0.5	0.7
	30-50			3.3	3.5	1.4	1.6	0.8	1.0	0.8	1.0	0.5	0.7	0.5	0.7	0.4	0.6	0.4	0.6	0.4	0.6
	100			3.4	3.6	1.4	1.6	0.8	1.0	0.8	1.0	0.6	0.8	0.6	0.8	0.4	0.6	0.4	0.6	0.4	0.6
	300			3.8	4.0	1.7	1.9	1.0	1.2	0.9	1.1	0.6	0.8	0.6	0.8	0.5	0.7	0.5	0.7	0.5	0.7
	450			4.1	4.3	2.0	2.2	1.2	1.4	1.0	1.2	0.8	1.0	0.8	1.0	0.7	0.9	0.7	0.9	0.7	0.9
	550			4.5	4.7	2.3	2.5	1.4	1.6	1.1	1.3	0.9	1.1	0.9	1.1	0.9	1.1	0.9	1.1	0.9	1.1
	750			4.7	4.9	2.7	2.9	1.6	1.8	1.3	1.5	1.2	1.4	1.2	1.4	1.1	1.3	1.1	1.3	1.1	1.3
	860			4.7	4.9	3.1	3.3	1.9	2.1	1.5	1.7	1.4	1.6	1.4	1.6	1.3	1.5	1.3	1.5	1.3	1.5
	1000			4.7	4.9	3.5	3.7	2.3	2.5	1.8	2.0	1.6	1.8	1.6	1.8	1.5	1.7	1.5	1.7	1.5	1.7
Tap to Out (dB)	5-29			18		20		30		22		29		32		33		35		38	
	30-449			23		26		28		32		34		38		40		42		44	
	450-599			23		26		26		30		32		36		40		42		44	
	700-740			22		25		26		30		32		36		38		40		42	
	750-859			22		25		25		28		30		34		38		40		42	
	860-1000			22		23		25		28		30		34		36		38		40	
Tap to Tap (dB)	5-29	20		13		18		22		18		22		22		24		24		24	
	30-449	26		26		26		26		26		24		26		26		26		26	
	450-599	26		26		26		26		26		26		26		26		26		26	
	700-740	24		24		24		24		24		24		24		24		24		24	
	750-859	24		24		24		24		24		24		24		24		24		24	
	860-1000	22		22		22		22		22		22		22		22		22		22	
In & Out (dB)	5-29	15		16		16		17		14		15		16		17		17		17	
	30-599	18		18		18		18		18		18		18		18		18		18	
	600-859	17		17		17		17		17		17		17		17		17		17	
	860-1000	17		17		17		17		17		17		17		17		17		17	
Tap (dB)	5-29	16		15		16		16		16		16		16		16		16		16	
	30-599	18		18		18		18		18		18		18		18		18		18	
	600-859	17		17		17		17		17		17		17		17		17		17	
	860-1000	16		16		16		16		16		16		16		16		16		16	
@ 10 Amps. (dB)	5-49			64		64		70		70		70		70		70		70		70	
	50-599			70		70		70		70		70		70		70		70		70	
	600-749			64		64		70		70		70		70		70		70		70	
	750-1000			60		60		64		64		64		64		64		64		64	
(dB)	5-1000	±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35		±0.35	
(dB)	5-1000	110		110		110		110		110		110		110		110		110		110	
Power Rating		12 Amps Continuous, 60 - 90 Volts																			

* Specifications subject to change without notice.

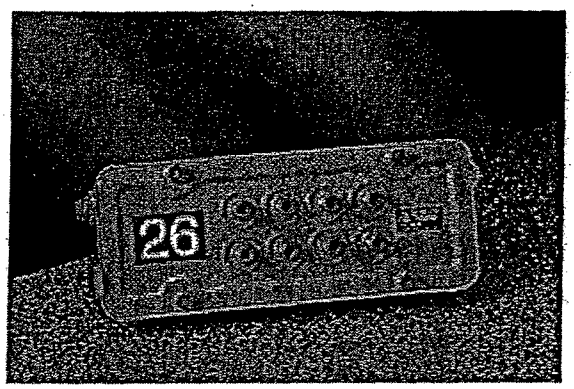
Rev. A

Scientific Atlanta

Multimedia Stretch™ Taps

Description

Scientific-Atlanta's Multimedia Stretch™ Tap is designed to support the delivery of advanced applications and services in a cost-effective platform. In addition to providing high quality RF performance specifications that are essential to the reliable transmission of data and digital video services, the Multimedia Stretch Tap includes the capability to house other performance-enhancing options. As an example, we have developed and field-tested a version of the plug-in directional coupler that cost-effectively balances reverse path signals resulting in a marked performance improvement in this challenging portion of your networks. Recently completed is an addressable version of the Multimedia Stretch Tap faceplate that introduces significant operating cost savings and new revenue-generating opportunities.



During the system upgrades, operators are challenged to quickly install new equipment while minimizing the impact on customers. Splicing taps is a time-consuming process complicated by a widened gap in the feeder cabling. Scientific-Atlanta's Multimedia Stretch Tap features a nine-inch housing that fills this gap—without using costly or performance reducing extension connectors—providing operators with the fastest way to restore service and complete upgrade efforts.

Features

- Patent-pending Connection-Beam AC/RF bypass switch, providing interruption-free service to downstream customers during faceplate removal
- Faceplate-confined circuitry isolates and simplifies maintenance efforts
- Per-port power activation and protection, maximizing cost and customer service effectiveness
- Nine-inch housing, simplifying system upgrades
- Faceplate reversibility, eliminating costly re-splicing
- Plug-in directional coupler, enabling field modification without costly resplicing
- Available in 2-,4-, and 8-way versions
- Compatible with aerial or pedestal mounting
- Available space for future enhancements
- Durable powder paint coating for superior environmental protection

Multimedia Stretch Tap

The Multimedia Stretch Tap also provides an important level of network flexibility by enabling reversibility. As operators expand the fiber optic portion of their broadband networks, the result is often a reversal of the feeder signal flow. By simply changing the orientation of the plug-in directional coupler module, technicians can avoid time consuming and expensive resplicing of the cable.

The plug-in directional coupler module further adds to the flexibility of the tap, and helps to control inventory expense. By removing and replacing the on-board device, operators are able to modify tap values—again without costly resplicing.

Most importantly, Scientific-Atlanta's Multimedia Stretch Tap is designed for the future. Our engineers have maximized available space in the device to allow for adding future advanced features.

Specifications

Dimensions

2-, 4-, 8-way 3.5 in. H x 9 in. W x 3.5 in. D
88.9 mm H x 228.6 m W x 88.9 mm D

Mechanical

- AL360T housing with powder paint coating and aluminum end plugs for environmental protection
- Sealed and swaged extended F-ports for enhanced resistance to moisture ingress
- Nickel-plated brass F-ports to ensure a corrosion-resistant drop interface
- Versatile housing design permits aerial, pedestal, or MDU mounting schemes
- Operating temperature from –40°C to +60°C
- EMI shielding minimum 100 dB
- Pressure tested at 10 psi for 60 seconds under water.

Electrical Specifications

- Thru Continuous current 12 amps – 60/90 V AC
- Current limiting 250 mA @ 60°C, per drop
- Surge Resistance 1 kV
- Impedance 75 ohm
- Thru Hum Modulation 70 dB average @ 10 Amps
  65 dB average @ 12 Amps
- Tap Port Hum Modulation 65 dB average

Standards Compliance

Scientific-Atlanta's Multimedia Stretch Taps meet or exceed the following industry standards:

Mechanical

- SCTE IPS-SP-400 – F-port interface specification
- SCTE IPS-SP-420 - entry port interface specification

Emissions

- FCC – Part 76, Subpart K
- EN 50083-2

Environmental

- ASTM G 53 - weathering specification
- ASTM B 117 - salt spray specification
- ASTM D 3170 - chip resistance specification
- ASTM G 21 - fungus growth rate of zero
- EN 50083-1

Specifications and product availability are subject to change.

AC/RF Bypass Switch Performance

System Open Circuit Time	0 ms
Contact Resistance	10 mOhms max
Current and voltage Carrying	12 A, 60/90 V AC
RF Frequency Range	5 to 1000 MHz
Operating Temperature	-40° C to +60°C

	5 MHz	550 MHz	750 MHz	1 GHz
Short Circuited Insertion Loss (dB)	0.1 Max 0.05 Mean	0.4 Max 0.3 Mean	0.5 Max 0.4 Mean	0.7 Max 0.6 Mean
Short Circuited Return Loss (dB)	40 Max 53 Mean	16 Max 18 Mean	16 Max 17 Mean	14 Max 15 Mean

Multimedia Stretch Tap
2-Way

	Freq.	Tap Value																	
		4 dB		8 dB		11 dB		14 dB		17 dB		20 dB		23 dB		26 dB		29 dB	
	MHz	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max
Insertion Loss (dB)	5	-		3.45	3.6	1.91	2.2	1.16	1.5	0.85	1.2	0.76	1.1	0.76	1.1	0.76	1.1	0.76	1.1
	40	-		3.18	3.5	1.47	1.7	0.87	1.2	0.60	1.0	0.49	1.0	0.50	1.0	0.50	1.0	0.50	1.0
	50	-		3.20	3.5	1.47	1.7	0.87	1.2	0.61	1.0	0.49	1.0	0.49	1.0	0.49	1.0	0.49	1.0
	450	-		4.13	4.4	2.29	2.7	1.64	1.9	1.39	1.6	1.19	1.4	1.22	1.4	1.22	1.4	1.22	1.4
	550	-		4.00	4.2	2.36	2.8	1.73	2.0	1.49	1.8	1.26	1.5	1.30	1.5	1.30	1.5	1.30	1.5
	750	-		3.69	4.4	2.40	3.0	1.82	2.2	1.60	1.9	1.34	1.6	1.38	1.6	1.38	1.6	1.38	1.6
	870	-		3.97	4.7	2.55	3.1	1.97	2.3	1.78	2.0	1.43	1.8	1.46	1.9	1.46	1.9	1.46	1.9
	1000	-		4.67	5.1	2.86	3.4	1.99	2.4	1.78	2.2	1.36	1.9	1.35	1.9	1.35	1.9	1.35	1.9
Tap Loss (dB) (Max tolerance ±1 dB)	5	4.98	5.0	7.76	9.0	11.39	12.0	13.79	15.0	16.68	18.0	19.87	21.0	22.71	24.0	25.87	27.0	29.27	30.0
	40	4.31	5.0	7.40	9.0	11.45	12.0	13.84	15.0	16.48	18.0	19.89	21.0	22.60	24.0	25.65	27.0	28.92	30.0
	50	4.10	5.0	7.40	9.0	11.44	12.0	13.82	15.0	16.43	18.0	19.86	21.0	22.58	24.0	25.64	27.0	28.90	30.0
	450	4.79	5.0	7.95	9.0	11.31	12.0	13.66	15.0	16.74	18.0	19.51	21.0	22.16	24.0	25.27	27.0	28.29	30.0
	550	4.44	5.0	8.10	9.0	11.24	12.0	13.63	15.0	16.84	18.0	19.31	21.0	22.06	24.0	25.29	27.0	28.20	30.0
	750	4.55	5.0	8.40	9.0	11.50	12.0	13.66	15.0	16.94	18.0	19.51	21.0	22.50	24.0	26.01	27.0	28.74	30.0
	870	4.87	5.0	8.48	9.0	11.69	12.5	13.92	15.5	17.21	18.0	19.87	21.0	22.90	24.0	26.55	27.0	29.23	30.0
	1000	4.97	5.5	8.56	9.5	11.17	12.0	13.67	15.5	16.39	18.0	19.56	21.0	22.65	24.0	26.37	27.5	28.96	30.0
Return Loss (dB, min)	5	15		14		12		13		14		14		14		14		14	
	10	14		15		15		15		15		15		15		15		15	
	50	15		15		15		15		15		15		15		15		15	
	750	15		15		15		15		15		15		15		15		15	
	870	15		15		15		15		15		15		15		15		15	
	1000	15		14		14		14		15		15		15		15		15	
Tap-to-Tap Isolation (dB min)	5	18		18		18		18		18		18		18		18		18	
	750	18		18		18		18		18		18		18		18		18	
	1000	18		18		18		18		18		18		18		18		18	
Out-to-Tap Isolation	5	-		18		20		20		22		25		25		35		35	
	750	-		18		20		22		22		25		25		35		35	
	1000	-		18		20		22		22		25		25		35		35	

The Multimedia Stretch Tap consists of a housing and faceplate assemblies and a plug-in directional coupler module. Part numbers are listed below for complete taps as well as for the major components.

Product	Model Number	Part Number	Description
Complete Tap Assembly	SAT ST2-4	562732	Multimedia Stretch Tap 2-Way 4 dB
	SAT ST2-8	562733	Multimedia Stretch Tap 2-Way 8 dB
	SAT ST2-11	562734	Multimedia Stretch Tap 2-Way 11 dB
	SAT ST2-14	562735	Multimedia Stretch Tap 2-Way 14 dB
	SAT ST2-17	562736	Multimedia Stretch Tap 2-Way 17 dB
	SAT ST2-20	562737	Multimedia Stretch Tap 2-Way 20 dB
	SAT ST2-23	562738	Multimedia Stretch Tap 2-Way 23 dB
	SAT ST2-26	562739	Multimedia Stretch Tap 2-Way 26 dB
	SAT ST2-29	562740	Multimedia Stretch Tap 2-Way 29 dB
Faceplate Assembly	SAT STF-2	563542	Multimedia Stretch Tap 2-Way Faceplate Assembly
Directional Coupler Module	SAT STM2-0	543487	Multimedia Stretch Tap Module 0 dB
	SAT STM2-4	562108	Multimedia Stretch Tap Module 4 dB
	SAT STM2-7	562109	Multimedia Stretch Tap Module 7 dB
	SAT STM2-10	562110	Multimedia Stretch Tap Module 10 dB
	SAT STM2-13	562111	Multimedia Stretch Tap Module 13 dB
	SAT STM2-16	562112	Multimedia Stretch Tap Module 16 dB
	SAT STM2-19	562113	Multimedia Stretch Tap Module 19 dB
	SAT STM2-22	562114	Multimedia Stretch Tap Module 22 dB
	SAT STM2-25	562115	Multimedia Stretch Tap Module 25 dB

Multimedia Stretch Tap
4-Way

	Freq.	Tap Value															
		8 dB		11 dB		14 dB		17 dB		20 dB		23 dB		26 dB		29 dB	
	MHz	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max
Insertion Loss	5	-		3.45	1.6	1.91	2.2	1.16	1.5	0.85	1.2	0.76	1.1	0.76	1.1	0.76	1.1
(dB)	40	-		3.18	3.6	1.47	2.0	0.87	1.2	0.60	1.0	0.49	1.0	0.50	1.0	0.50	1.0
	50	-		3.20	1.5	1.47	1.7	0.87	1.2	0.61	1.0	0.49	1.0	0.49	1.0	0.49	1.0
	450	-		4.13	2.4	2.29	2.7	1.64	1.9	1.39	1.6	1.19	1.4	1.22	1.4	1.22	1.4
	550	-		4.00	2.2	2.36	2.6	1.73	2.0	1.49	1.8	1.26	1.5	1.30	1.5	1.30	1.5
	750	-		3.69	2.4	2.40	2.3	1.82	2.2	1.60	1.9	1.34	1.8	1.38	1.8	1.38	1.8
	870	-		3.97	2.7	2.55	3.3	1.97	2.3	1.78	2.0	1.43	1.8	1.46	1.8	1.46	1.8
	1000	-		4.67	3.1	2.86	2.4	1.99	2.5	1.78	2.2	1.36	1.9	1.35	1.9	1.35	1.9
Tap Loss	5	8.15	9.0	10.86	12.0	14.18	16.0	16.67	18.0	19.95	21.0	22.89	23.5	25.70	26.5	28.70	29.5
(dB)	40	7.58	9.0	10.58	12.0	14.57	16.0	17.03	18.0	19.67	21.0	23.05	23.5	25.82	26.5	28.81	29.5
(Max tolerance	50	7.38	9.0	10.58	12.0	14.55	16.0	17.02	18.0	19.63	21.0	23.03	23.5	25.80	26.5	28.80	29.5
±1 dB)	450	7.86	9.0	11.11	12.0	14.51	16.0	16.75	18.0	20.00	21.0	22.77	23.5	25.57	26.5	28.62	29.5
	550	7.56	9.0	11.38	12.0	14.43	16.0	16.72	18.0	20.27	21.0	22.59	23.5	25.52	26.5	28.61	29.5
	750	7.74	9.0	11.72	12.5	14.80	16.0	16.76	18.0	20.24	21.0	22.85	23.5	25.67	26.5	29.12	29.5
	870	8.12	9.5	12.27	13.0	15.04	16.5	17.15	18.5	20.69	21.0	23.37	24.0	26.21	27.0	29.66	30.0
	1000	8.73	9.5	12.44	13.5	15.18	16.5	17.11	18.5	20.50	21.0	23.60	24.0	26.31	27.0	30.04	30.5
Return Loss	5	14		14		12		14		14		14		14		14	
(dB, min)	10	14		15		14		15		15		15		15		15	
	50	15		15		15		15		15		15		15		15	
	750	14		15		15		15		15		15		15		15	
	870	15		15		15		15		15		15		15		15	
	1000	15		14		15		14		14		14		15		14	
Tap-to-Tap	5	18		18		18		18		18		18		18		18	
Isolation	750	18		18		18		18		18		18		18		18	
(dB,min)	1000	18		18		18		18		18		18		18		18	
Out-to-Tap Isolation	5	-		18		20		22		25		25		35		35	
	750	-		18		20		22		25		25		35		35	
	1000	-		18		20		22		25		25		35		35	

The Multimedia Stretch Tap consists of a housing and faceplate assemblies and a plug-in directional coupler module. Part numbers are listed below for complete taps as well as for the major components.

Product	Model Number	Part Number	Description
Complete Tap Assembly	SAT ST4-8	562742	Multimedia Stretch Tap 4-Way 8 dB
	SAT ST4-11	562743	Multimedia Stretch Tap 4-Way 11 dB
	SAT ST4-14	562744	Multimedia Stretch Tap 4-Way 14 dB
	SAT ST4-17	562745	Multimedia Stretch Tap 4-Way 17 dB
	SAT ST4-20	562746	Multimedia Stretch Tap 4-Way 20 dB
	SAT ST4-23	562747	Multimedia Stretch Tap 4-Way 23 dB
	SAT ST4-26	562748	Multimedia Stretch Tap 4-Way 26 dB
	SAT ST4-29	562749	Multimedia Stretch Tap 4-Way 29 dB
Faceplate Assembly	SAT STF-4	563543	Multimedia Stretch Tap 4-Way Faceplate Assembly
Directional Coupler Module	SAT STM-0	543487	Multimedia Stretch Tap Module 0 dB
	SAT STM-4	562108	Multimedia Stretch Tap Module 4 dB
	SAT STM-7	562109	Multimedia Stretch Tap Module 7 dB
	SAT STM-10	562110	Multimedia Stretch Tap Module 10 dB
	SAT STM-13	562111	Multimedia Stretch Tap Module 13 dB
	SAT STM-16	562112	Multimedia Stretch Tap Module 16 dB
	SAT STM-19	562113	Multimedia Stretch Tap Module 19 dB
	SAT STM-22	562114	Multimedia Stretch Tap Module 22 dB
	SAT STM-25	562115	Multimedia Stretch Tap Module 25 dB

Multimedia Stretch Tap
8-Way

	Freq.	Tap Value													
		11 dB		14 dB		17 dB		20 dB		23 dB		26 dB		29dB	
	MHz	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max
Insertion Loss (dB)	5	-		3.45	3.0	1.91	2.2	1.16	1.5	0.85	1.2	0.76	1.1	0.76	1.1
	40	-		3.18	3.5	1.47	1.7	0.87	1.2	0.60	1.0	0.49	1.0	0.50	1.0
	50	-		3.20	3.5	1.47	1.7	0.87	1.2	0.61	1.0	0.49	1.0	0.49	1.0
	450	-		4.13	4.4	2.29	2.7	1.64	1.9	1.39	1.6	1.19	1.4	1.22	1.4
	550	-		4.00	4.2	2.36	2.8	1.73	2.0	1.49	1.6	1.26	1.6	1.30	1.5
	750	-		3.69	4.4	2.40	3.3	1.82	2.2	1.60	1.9	1.34	1.8	1.38	1.8
	870	-		3.97	4.7	2.55	3.3	1.97	2.3	1.78	2.0	1.43	1.8	1.46	1.8
	1000	-		4.67	5.1	2.86	3.3	1.99	2.4	1.78	2.4	1.36	1.9	1.35	1.9
Tap Loss (dB) (Max tolerance ±1 dB)	5	11.34	12.0	14.50	15.0	17.71	19.0	20.21	21.0	23.43	24.0	26.13	27.0	28.93	30.5
	40	10.84	12.0	13.91	15.5	17.82	19.0	20.34	21.0	22.79	24.0	26.16	27.0	29.07	30.5
	50	10.62	12.0	13.90	15.5	17.79	19.0	20.31	21.0	22.80	24.0	26.20	27.0	29.06	30.5
	450	11.07	12.0	14.56	15.5	17.77	19.0	20.16	21.0	23.28	24.0	25.95	27.0	28.87	30.5
	550	11.17	12.0	14.85	15.5	17.95	19.0	20.24	21.0	23.53	24.0	25.96	27.0	28.84	30.5
	750	11.33	12.5	15.55	16.5	18.52	19.0	20.44	21.0	23.94	24.0	26.28	27.0	29.25	30.5
	870	11.87	13.0	16.18	17.0	18.96	20.0	20.92	22.0	24.53	25.0	26.78	28.0	30.08	31.0
	1000	12.35	13.5	16.34	17.5	19.05	20.5	21.08	22.0	24.48	25.0	27.06	28.0	30.48	31.5
Return Loss (dB, min)	5	14		14		12		14		14		14		14	
	10	14		15		15		15		15		15		15	
	50	15		15		15		15		15		15		15	
	750	14		15		15		15		15		15		15	
	870	15		15		14		15		15		15		15	
	1000	15		14		14		14		14		14		14	
Tap-to-Tap Isolation (dB min)	5	18		18		18		18		18		18		18	
	750	18		18		18		18		18		18		18	
	1000	18		18		18		18		18		18		18	
Out-to-Tap Isolation	5	-		20		22		25		25		35		35	
	750	-		20		22		25		25		35		35	
	1000	-		20		22		25		25		35		35	

The Multimedia Stretch Tap consists of a housing and faceplate assemblies and a plug-in directional coupler module. Part numbers are listed below for complete taps as well as for the major components.

Product	Model Number	Part Number	Description
Complete Tap Assembly	SAT ST8-11	562751	Multimedia Stretch Tap 8-Way 11 dB
	SAT ST8-14	562752	Multimedia Stretch Tap 8-Way 14 dB
	SAT ST8-17	562753	Multimedia Stretch Tap 8-Way 17 dB
	SAT ST8-20	562754	Multimedia Stretch Tap 8-Way 20 dB
	SAT ST8-23	562755	Multimedia Stretch Tap 8-Way 23 dB
	SAT ST8-26	562756	Multimedia Stretch Tap 8-Way 26 dB
	SAT ST8-29	562757	Multimedia Stretch Tap 8-Way 29 dB
Faceplate Assembly	SAT STF-8	563544	Multimedia Stretch Tap 8-Way Faceplate Assembly
Directional coupler Module	SAT STM-0	543487	Multimedia Stretch Tap Module 0 dB
	SAT STM-4	562108	Multimedia Stretch Tap Module 4 dB
	SAT STM-7	562109	Multimedia Stretch Tap Module 7 dB
	SAT STM-10	562110	Multimedia Stretch Tap Module 10 dB
	SAT STM-13	562111	Multimedia Stretch Tap Module 13 dB
	SAT STM-16	562112	Multimedia Stretch Tap Module 16 dB
	SAT STM-19	562113	Multimedia Stretch Tap Module 19 dB
	SAT STM-22	562114	Multimedia Stretch Tap Module 22 dB
	SAT STM-25	562115	Multimedia Stretch Tap Module 25 dB

Other Stretch Tap Accessories

- DC/EQ Plug-in modules
- Addressable Multimedia Stretch Taps
- Multimedia Stretch Taps with Technician Access

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Part Number 571710 Rev D
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Regal RMT 2000 Wide-body RF Taps

Port to Port Isolation

2-port
Port to port Isolation (minimum)

Frequency dB	5-10 MHz	11-20 MHz	21-400 MHz	401-500 MHz	501-600 MHz	601-700 MHz	701-900 MHz	901-1000 MHz
RMT2002W-4, 8 & 11	18	23	25	25	23	21	21	18
14 through 32 dB	20	23	25	25	23	21	21	19

4-port
Port to port Isolation (minimum)

Frequency dB	5-10 MHz	11-20 MHz	21-400 MHz	401-500 MHz	501-600 MHz	601-700 MHz	701-900 MHz	901-1000 MHz
RMT2004W-RF-8	18	23	25	25	23	21	21	19
RMT2004W-RF-14	18	20	20	20	20	20	20	18
17 through 32 dB	20	23	25	25	25	21	21	19

8-port
Port to port Isolation (minimum)

Frequency dB	5-10 MHz	11-20 MHz	21-400 MHz	401-500 MHz	501-600 MHz	601-700 MHz	701-900 MHz	901-1000 MHz
11 through 32 dB	18	23	23	23	20	18	18	18

Regal RMT 2000 Wide-body CX Taps

Port to Port Isolation

2-port
Port to port Isolation (minimum)

Frequency dB	5-10 MHz	11-50 MHz	51-400 MHz	401-500 MHz	501-600 MHz	601-700 MHz	701-900 MHz	901-1000 MHz
4 through 32 dB	19	22	24	24	23	21	21	18

4-port
Port to port Isolation (minimum)

Frequency dB	5-10 MHz	11-50 MHz	51-400 MHz	401-500 MHz	501-600 MHz	601-700 MHz	701-900 MHz	901-1000 MHz
8 through 32 dB	19	22	24	24	23	21	21	18

8-port
Port to port Isolation (minimum)

Frequency dB	5-10 MHz	11-50 MHz	51-400 MHz	401-500 MHz	501-600 MHz	601-700 MHz	701-900 MHz	901-1000 MHz
11 through 32 dB	20	23	24	24	23	22	20	18