



Outdoor RF passives

4RTPx-xx 1.8 GHz ROTATABLE TAPS

The 1.8 GHz Rotatable Taps are high performance passives that can be installed with faceplates fitted in either left or right positions thus giving the operator the ability to reverse the signal direction as needed. The signal and power are constantly present on IN and OUT ports while the Tap ports are used to feed the subscriber outlets. The 1.8 GHz taps Series offers a wide range of different line taps that meet frequency range up to 1800 MHz. All the housings are well screened to meet and exceed the Cenelec Class A+ (=Class A +10dB) standards.

1.8 GHz Rotatable Taps features

- Frequency range up to 1.8 GHz, DOCSIS 4.0 compliant
- High performance for Extreme environmental conditions
- The faceplate can be mounted either way around on the housing depending on the direction of signal travel required
- Weather resistant powder coating
- F-ports DC blocked for extended surge resistance
- Weatherproof F connectors with Epoxy sealing (IP68)
- Surge withstand complies to global surge immunity Standards IEC 61000-4-5 and IEEE C62.41
- Optional power and signal bypass switch

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OUTDOOR RF PASSIVES / 1.8 GHZ ROTATABLE TAPS

GENERAL SPECIFICATIONS			
Frequency range (MHz)	5 - 1800 MHz	Nominal impedance	75 Ohm
Operating temperature range	-40 ... +65 °C	Enclosure classification	IP68 to IEC 60529 Edition 2.1:2001-02 IPx8
Connectors	TAP		IN-OUT
	Type	F connector	Type 5/8"-24 female
	Compliance	ANSI/SCTE 2015 01, IEC61169-24 2010	
	Body	Material: Brass + Plating: NiSn	
	Inner contact	Material: Beryllium Copper + Plating: NiSn	
	Acceptance dia. range	0.7 - 1.2 mm	
	Clamp force	≥ 115 gr. @ 0.7 mm pin	
Torque	Nom. tightening torque 4.5 Nm		
Surge Immunity Test	IEC 61000-4-5:2006 Surge pulse 2.0 kV, 1.2 /50 µsec, 2 Ω source impedance, all ports	6.0 kV, 1.2 /50 µsec, 2 Ω source impedance, all ports	IEEE C62.41-1991 Category B3/6kV combination wave, 3000 A
Intermodulation distortion (dBc, Min.) ⁽²⁾	2f1, f1+f2, 2f2	Before surge	115.0 ^(a)
		After 25V surge	115.0 ^(b)
		After 1kV surge	105.0 ^(c)
HUM modulation All models	10 - 1400 1400 - 1800	> 70 dBc > 60 dBc 10A current passing / 65 VAC	EMC compatibility EN60728-2 2012, Class A+
Maximum current	15 A	F port isolation	600 V
Weight	0,564 kg	Dimensions (H x W x D)	147,5 x 95 x 78 mm
NOTES			
<p>(1) Typical value in 10 - 15 MHz range</p> <p>(2) Two carriers (60 & 65 MHz), applied to each port, @ 120 dBµV</p> <p>(a) No surge</p> <p>(b) Measured after 10 pulses 25 VDC (1.2/500 µS) have been applied to each port</p> <p>(c) Measured after 1 pulse of 1 kV (1.2/50 µsec) have been applied to each port</p>			
ORDERING INFORMATION			
<p>4RTP2-xx, 4RTP4-xx, 4RTP8-xx</p> <p>xx = tap value in dB : 4, 8, 11, 14, 17, 20, 23, 26, 29, 32 and 35</p> <p><u>Available values:</u></p> <p>4RTP2-4T-8-11-14-17-20-23-26-29-32-35</p> <p>4RTP4-8T-11-14-17-20-23-26-29-32-35</p> <p>4RTP8-11T-14-17-20-23-26-29-32-35</p> <p>A power and signal bypass switch is available as an option and is denoted by -/SW in the reference:</p> <p>4RTP2-xx/SW</p> <p>4RTP4-xx/SW</p> <p>4RTP8-xx/SW</p>			

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