



72XXMK, 74XXMK & 78XXMK

Universal Taps - Magi Compatible (No Switch)



The RMS 72XXK, 74XXK & 78XXK are compatible with Magnavox/Philips outdoor taps. This model has no tap switch. If a tap switch is required please order the MKTS type.

Features:

- Bandwidth 5MHz to 1GHz
- RFI Shielding >-110dB
- Heavy duty power passing choke
- Glass epoxy PCB (FR4-G10) with protective cover
- 90 degree swivel blocks for easy installation in aerial or pedestal applications
- Color coded tap value label
- Stainless steel hardware
- Strip gauges on housing and heat shrink ridges on 5/8-24 ports
- Precision brass plated "F" ports
- Low profile design
- Epoxy sealed "F" ports
- Drip lips on "F" ports
- Dual heavy-duty neoprene and wire mesh gaskets for total protection
- 360 die cast aluminum housing & plate that has been sealed & chromated
- Interlocking tongue/groove housing and faceplate guarantee excellent RFI isolation
- Tap switch available (MKTS model)
- 100% quality control at our factory
- CE approved

RMS Communications Inc

11516 Downs Road, Pineville, North Carolina. 28134 USA
Toll Free: 1-800-223-8312 - Phone (704) 588-4008

Page 5

Digitap

Magi Taps 2/4/8-Way (No Switch)



72XXMK, 74XXMK & 78XXMK

Universal Taps - Magi Compatible (No Switch)

72XXMK 2-Way Tap

Tap Value	Color ->	Black 4dB	Orange 8dB	Gold 11dB	White 14dB	Blue 17dB	Green 20dB	Purple 23dB	Yellow 26dB	Red 29dB
Insertion Loss (Max dB)	5 - 8MHz	Term	3.5	1.9	1.3	1.0	0.8	0.8	0.9	0.7
	8 - 15MHz	Term	3.4	1.7	1.2	0.9	0.7	0.6	0.6	0.6
	15 - 30MHz	Term	3.3	1.9	1.3	1.1	0.9	0.7	0.7	0.7
	30 - 300MHz	Term	3.6	2.1	1.5	1.2	1.0	0.9	0.8	0.8
	300 - 600MHz	Term	4.0	2.3	1.7	1.3	1.1	1.1	1.0	1.0
	600 - 750MHz	Term	4.1	2.7	1.9	1.7	1.3	1.2	1.0	1.0
	750 - 860MHz	Term	4.2	3.2	2.3	1.9	1.7	1.5	1.5	1.2
	860 - 900MHz	Term	4.5	3.4	2.5	2.1	1.9	1.8	1.7	1.4
	900 - 1GHz	Term	4.8	3.7	2.7	2.3	2.1	2.0	1.8	1.6
Return Loss Input, Output & Tap (Min dB)	5 - 10MHz	16	16	16	16	16	16	16	16	16
	10 - 15MHz	17	17	17	17	17	17	17	17	17
	15 - 900MHz	18	18	18	18	18	18	18	18	18
	900 - 1GHz	17	17	17	17	17	17	17	17	17
Isolation Tap to Tap (Min dB)	5 - 50MHz	21	21	21	21	21	21	21	21	21
	50 - 600MHz	23	23	23	23	23	23	23	23	23
	600 - 900MHz	23	23	23	23	23	23	23	23	23
	900 - 1GHz	23	23	23	23	23	23	23	23	23
Isolation Tap to Output (Min dB)	5 - 50MHz	N/A	19	19	20	23	25	26	27	28
	50 - 600MHz	N/A	25	26	26	30	31	33	33	33
	600 - 750MHz	N/A	23	24	25	28	29	32	31	32
	750 - 900MHz	N/A	21	21	21	26	27	29	29	29
	900 - 1GHz	N/A	20	21	21	25	26	27	28	28

74XXMK 4-Way Tap

78XXMK 8-Way Tap

Tap Value	Color ->	Orange 8dB	Gold 11dB	White 14dB	Blue 17dB	Green 20dB	Purple 23dB	Yellow 26dB	Red 29dB	Gold 11dB	White 14dB	Blue 17dB	Green 20dB	Purple 23dB	Yellow 26dB	Red 29dB
Insertion Loss (Max dB)	5-8MHz	Term	3.7	1.9	1.4	1.0	0.9	0.9	0.9	Term	4.0	2.5	1.3	1.1	1.0	0.9
	8-15MHz	Term	3.6	1.7	1.2	1.0	0.9	0.9	0.9	Term	3.5	2.2	1.2	1.0	1.0	0.9
	15-30MHz	Term	3.8	1.9	1.3	1.1	1.0	0.9	0.9	Term	3.2	2.0	1.1	1.2	1.0	1.0
	30-300MHz	Term	4.0	2.1	1.6	1.3	1.2	1.2	1.1	Term	3.2	2.1	1.4	1.3	1.2	1.2
	300-600MHz	Term	4.3	2.5	1.8	1.4	1.3	1.3	1.2	Term	3.4	2.4	1.8	1.5	1.4	1.3
	600-750MHz	Term	4.5	3.1	2.3	1.7	1.5	1.4	1.4	Term	4.5	3.0	2.3	1.7	1.6	1.5
	750-860MHz	Term	4.6	3.3	2.5	2.0	1.6	1.5	1.4	Term	4.9	3.2	2.4	1.9	1.8	1.7
	860-900MHz	Term	4.8	3.6	2.9	2.1	1.7	1.7	1.6	Term	5.1	3.5	2.5	2.0	1.9	1.8
	900-1GHz	Term	4.9	3.8	3.0	2.3	1.8	1.7	1.6	Term	5.3	3.8	2.6	2.1	2.0	1.9
Return Loss In, Out & Tap (Min dB)	5-10MHz	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	10-15MHz	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	15-900MHz	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	900-1GHz	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Isolation Tap to Tap (Min dB)	5-50MHz	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	50-600MHz	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	600-900MHz	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	900-1GHz	23	23	23	23	23	23	23	23	21	21	21	21	21	21	21
Isolation Tap to Output (Min dB)	5-50MHz	N/A	20	21	23	25	27	27	29	N/A	20	20	22	25	27	28
	50-600MHz	N/A	25	27	28	29	31	33	35	N/A	25	25	25	28	31	32
	600-750MHz	N/A	23	25	27	27	31	31	33	N/A	23	24	24	27	30	32
	750-900MHz	N/A	21	24	25	25	27	27	29	N/A	22	23	23	26	28	28
	900-1GHz	N/A	20	20	21	22	23	23	25	N/A	21	21	22	25	26	26

Tap Tolerance: +/- 1.2dB from 4dB to 17dB and .5dB from 20dB to 29dB Power Passing: 12Amps AC/DC, 60 - 90V

Hum Modulation: 5-10MHz @ >68dB, 11-400MHz @ > 70dB, 400-450MHz @ >68dB, 450-550MHz @ >64dB, 550-750MHz @ >62dB & 750-1GHz >60dB

Physical Size: 72XXMKTS, 74XXMKTS & 78XXMKTS .95" High X 3.44" Wide X 4.94" Long (49.52mm High X 87.38mm Wide X 125.47mm Long)

Tap Switch: Ins Loss/Return Loss - 0.3dB/44dB at 5-49MHz, 0.4dB/18dB at 49-599MHz, 0.6dB/18dB at 599-750MHz and 0.7dB/16dB at 750-1GHz

RFI Shielding: >-110dB

Tap Flatness: +/- 0.5dB

Operating Temperature: -40F to +140F

XX = dB Value ie 7411MK = 11dB