



These 1GHz line passives are SA compatible and include 2-Way, 3-Ways (balanced & un-balanced) splitters, 8dB, 12dB & 16dB directional couplers and a power inserter. They are rated at 15 Amps and have fused ports.

## 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
- Fused output ports
- Stainless steel hardware
- Strip gauges on housing and heat shrink ridges on 5/8-24 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 (excellent RFI isolation)
- Laminated ID label
- Ports numbers die cast into housing
- SA compatible housing
- 100% Quality control at our factory
- CE approved



# 75XXK Line Passives

2-Way, 3-Way, 8dB, 12dB, 16dB Dc's & Power Inserter

## Performance Specifications

Model Nbr --->	7500K	7502K	7503UBK	7503K	7508K	7512K	7516K
Type --->	Pwr Ins	2-Way	3-Way	3-Way	8dB DC	12dB DC	16dB DC
<b>Insertion Loss (Maximum)</b>							
Direction --->	RF/AC	In to Out	In to Out	In to Out	In to Out	In to Out	In to Out
5 - 50MHz	0.6	4.0	4.0/7.5	6.4	1.8	1.2	0.9
50 - 100MHz	0.5	3.8	3.9/7.4	6.2	1.5	1.1	0.8
100 - 300MHz	0.6	3.8	3.9/7.4	6.3	1.5	1.2	0.8
300 - 450MHz	0.7	3.9	4.1/7.7	6.3	1.6	1.3	0.9
450 - 600MHz	0.7	4.2	4.2/7.9	6.3	1.8	1.3	0.9
600 - 750MHz	0.7	4.3	4.5/8.1	6.5	2.1	1.4	1.0
750 - 870MHz	0.9	4.7	4.7/8.2	7.1	2.4	1.6	1.5
870 - 900MHz	1.1	5.1	5.0/8.6	7.4	2.8	1.9	1.8
900 - 1GHz	1.2	5.3	5.2/8.8	7.6	3.2	2.4	2.2
<b>Tap Loss (Minimum)</b>							
Direction --->	N/A	N/A	N/A	N/A	In to DC	In to DC	In to DC
5 - 10MHz	N/A	N/A	N/A	N/A	8.5 +/- 1.0	12.0 +/- 1.0	16.0 +/- 1.0
10 - 750MHz	N/A	N/A	N/A	N/A	8.5 +/- 1.0	12.0 +/- 1.0	16.0 +/- 1.0
750 - 1GHz	N/A	N/A	N/A	N/A	8.5 +/- 1.0	12.0 +/- 1.0	16.0 +/- 1.0
<b>Tap/Tap Isolation (Minimum)</b>							
Direction --->	AC to RF/AC	Out 1/Out 2	Out 1/2 to 2/3	Out 1/2 to 2/3	Out to Tap	Out to Tap	Out to Tap
5 - 50MHz	70	23	23	22	18	19	22
50 - 100MHz	70	24	26	23	25	25	25
100 - 300MHz	70	24	26	24	25	25	28
300 - 450MHz	68	26	26	24	25	26	28
450 - 600MHz	65	25	26	24	25	26	28
600 - 750MHz	65	25	25	23	25	26	28
750 - 870MHz	63	25	25	23	23	25	27
870 - 900MHz	57	23	23	22	21	24	26
900 - 1GHz	53	23	23	22	21	24	26
<b>Return Loss (Minimum)</b>							
Direction --->	RF/AC-RF/AC	In to 1& 2	In to 1/2/3	In to 1/2/3	In/Out & Tap	In/Out & Tap	In/Out & Tap
5 - 50MHz	18	18	18	18	18	18	18
50 - 100MHz	18	19	19	19	19	19	19
100 - 300MHz	19	20	20	20	20	20	20
300 - 450MHz	20	20	20	20	20	20	20
450 - 600MHz	21	20	20	20	20	20	20
600 - 750MHz	21	20	20	20	20	20	20
750 - 870MHz	21	20	20	20	20	20	20
870 - 900MHz	19	19	19	19	19	19	19
900 - 1GHz	18	17	17	17	17	17	17

## General Specifications

Frequency Range	5 - 1GHz	Fuse Rating	15 Amps	RFI	-110dB
Frequency Response (Flatness)	+/- 0.5dB	Surge Protection	C62.411 -1991	Impedance	75 ohm
Hum Modulation at 10Amps	70dB (Avg)	Response Deviation	<+/-0.2dB MHz	PCB	FR4-G10
Pwr Passing 60/90VAC (Input)	15 Amps	Dimensions	140mmX114mmX77mm	Hardware	Stainless
Pwr Passing 60/90VAC (Output)	12 Amps	Dimensions	5.5" X 4.5" X 3.0"	Packed Weight	1.5 lbs

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