

# L-Band

## IFE Multi-Couplers / Distribution Amplifiers - L-Band

Part Number	Frequency	Gain	Port to Port Isolation	Input VSWR	Output VSWR	Noise Figure	Input Ports - Output Ports per Input	Impedance
MC-16-LB3-75	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		1 - 16	75 ohm
MC-32-LB3-75	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		1 - 32	75 ohm
MC-2X16-LB3-75	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		2 - 8	75 ohm
MC-2X32-LB3-75	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		2 - 16	75 ohm
MC-4X32-LB3-75	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		4 - 8	75 ohm
MC-8X32-LB3-75	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		8 - 4	75 ohm
MC-16-LB3-50	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		1 - 16	50 ohm
MC-32-LB3-50	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		1 - 32	50 ohm
MC-2X16-LB3-50	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		2 - 8	50 ohm
MC-2X32-LB3-50	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		2 - 16	50 ohm
MC-4X32-LB3-50	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		4 - 8	50 ohm

MC-8X32-LB3-50	950 - 2150 MHz	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max	8 - 4	50 ohm
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## IF

### IFE Multi-Couplers / Distribution Amplifiers - IF

Part Number	Frequency	Gain	Port to Port Isolation	Input VSWR	Output VSWR	Noise Figure	Input Ports - Output Ports per Input	Impedance
MC-16-IF-75	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		1 - 16	75 ohm
MC-32-IF-75	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		1 - 32	75 ohm
MC-2X16-IF-75	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		2 - 8	75 ohm
MC-2X32-IF-75	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		2 - 16	75 ohm
MC-4X32-IF-75	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		4 - 8	75 ohm
MC-8X32-IF-75	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		8 - 4	75 ohm
MC-16-IF-50	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		1 - 16	50 ohm
MC-32-IF-50	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		1 - 32	50 ohm
MC-2X16-IF-50	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		2 - 8	50 ohm
MC-2X32-IF-50	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		2 - 16	50 ohm
MC-4X32-IF-50	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		4 - 8	50 ohm
MC-8X32-IF-50	20 - 200 MHz	0 +/- 2.0 dB	30 dB typ	1.75:1	1.5:1 Max		8 - 4	50 ohm

## HF

### IFE Multi-Couplers / Distribution Amplifiers - HF

Part Number	Frequency	Gain	Port to Port Isolation	Input VSWR	Output VSWR	Noise Figure	Input Ports - Output Ports per Input	Impedance
MC-16-HF-50	.5 - 32 MHz	0 +/- 2.0 dB	35 dB typ	1.5:1	1.5:1 Max	6	1 - 16	50 ohm
MC-32-HF-50	.5 - 32 MHz	0 +/- 2.0 dB	35 dB typ	1.5:1	1.5:1 Max	6	1 - 32	50 ohm
MC-2X16-HF-50	.5 - 32 MHz	0 +/- 2.0 dB	35 dB typ	1.5:1	1.5:1 Max	8.5	2 - 8	50 ohm
MC-2X32-HF-50	.5 - 32 MHz	0 +/- 2.0 dB	35 dB typ	1.5:1	1.5:1 Max	6	2 - 16	50 ohm
MC-4X32-HF-50	.5 - 32 MHz	0 +/- 2.0 dB	35 dB typ	1.5:1	1.5:1 Max	8.5	4 - 8	50 ohm

## VHF/UHF

### IFE Multi-Couplers / Distribution Amplifiers - VHF/UHF

Part Number	Frequency	Gain	Port to Port Isolation	Input VSWR	Output VSWR	Noise Figure	Input Ports - Output Ports per Input	Impedance
MC-16-VHF/UHF-50	30 - 3GHZ	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		1 - 16	50 ohm
MC-32-VHF/UHF-50	30 - 3GHZ	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		1 - 32	50 ohm
MC-2X16-VHF/UHF-50	30 - 3GHZ	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		2 - 8	50 ohm
MC-2X32-	30 - 3GHZ	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max		2 - 16	50 ohm

VHF/UHF-50							
MC-4X32- VHF/UHF-50	30 - 3GHZ	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max	4 - 8	50 ohm
MC-8X32- VHF/UHF-50	30 - 3GHZ	0 +/- 2.0 dB	18 dB typ	2.0:1	1.8:1 Max	8 - 4	50 ohm