

Hybrids up to 77 channels and 550 MHz

Device	Hybrid Gain (Nominal) dB	Channel Loading Capacity	Maximum Distortion Specifications				Noise Figure @ 550 MHz dB
			Output Level dBmV	2nd Order Test Note 3 dB	Composite Triple Beat dB	Cross Modulation dB	
					77 CH	77 CH	Typ
MHW6141	14	77	+44	-70	-56	-59	7.5
MHW6142	14	77	+44	-72	-59	-62	8.5
MHW6171	17	77	+44	-68	-56	-59	6.0
MHW6172	17	77	+44	-70	-59	-62	6.5
MHW6181	18	77	+44	-70	-56	-59	7.0
MHW6182	18	77	+44	-72	-59	-62	8.0
MHW6222	22	77	+44	-66	-57	-59	7.0
MHW6272	27	77	+44	-66	-57	-57	6.0
MHW6342	34	77	+44	-68	-57	-59	6.5

Reverse Amplifier Hybrids

Device	Hybrid Gain (Nominal) dB	Channel Loading Capacity	Maximum Distortion Specifications						Noise Figure @ 330 MHz dB	
			Output Level dBmV	2nd Order Test dB	Composite Triple Beat dB		Cross Modulation dB			
					12 CH	22 CH	12 CH	22 CH	Max	Typ
MHW1134	13	22	+ 50	− 72	− 84*	− 72	− 71*	− 62	8.0	7.0
MHW1184	18	22	+ 50	− 72	− 83*	− 70	− 68*	− 60	6.5	5.5
MHW1224	22	22	+ 50	− 72	− 82*	− 68	− 68*	− 60	6.0	5.0
MHW1244	24	22	+ 50	− 70	− 82*	− 68	− 67*	− 60	6.0	5.0

450/550 MHz Power Doubling Hybrids

Device	Hybrid Gain (Nominal) dB	Channel Loading Capacity	Maximum Distortion Specifications						Noise Figure @ 450/550 MHz dB	
			Output Level dBmV	2nd Order Test dB	Composite Triple Beat dB		Cross Modulation dB			
					60 CH	77 CH	60 CH	77 CH	Max	Typ
MHW5185	18	60	+ 46	− 74	− 66	—	− 66	—	7.0	—
MHW6185	18	77	+ 46	− 69	—	− 60	—	− 58	8.0	—

450/550 MHz Feedforward Hybrids

Device	Hybrid Gain (Nominal) dB	Channel Loading Capacity	Maximum Distortion Specifications				Noise Figure @ 450/550 MHz dB	
			Output Level dBmV	2nd Order Test dB	Composite Triple Beat dB	Cross Modulation dB		
					60 CH	60 CH	Max	Typ
MHW4524F#	24	60	+ 46	− 84	− 80	− 75	8.5	8.0

NOTES: 3. Channels (2 and M30) @ M39
Case 774-01

*Typ