

1X1 PREMIUM CATV MODULE

Parameter	Bandwidth	Forward Path	Return Path
Band	—	52-1000 MHz	5-42 MHz
Gain (Loss)	—	15 dB	(-0.5 dB)
Flatness	—	±0.75 dB	±1.5 dB
Return Loss - Input	—	22.0 dB	21.0 dB
Return Loss - Output	—	22.0 dB	21.0 dB
Port Isolation - Output	—	25.0 dB	27.0 dB
Group Delay (span 3.58 MHz)	54-60 MHz	15 ns	—
	61-1000 MHz	7 ns	—
Group Delay (span 1 MHz)	5-42 MHz	—	17 ns
	10-40 MHz	—	7 ns
Power to RF Input Isolation	5-1000 MHz	100 dB (min)	—
RFI Isolation	5-1000 MHz	-110 dBc	—
Noise Figure	52-1000 MHz	2.5 dB	—
Distortions	CSO	-65 dBc	—
	CTB	-74 dBc	—
	Xmod	-75 dBc	—

1 Input level at +10 dBmV flat 77 channels & 200 MHz noise for QAM test from 550 to 790 MHz.
Operating Temperature: -40°C to +60 °C.



47693-01P

1X8 PREMIUM CATV MODULE

Parameter	Bandwidth	Forward Path	Return Path
Band	—	52-1000 MHz	5-42 MHz
Gain (Loss)	—	4 dB	(-11.0 dB)
Flatness	—	±1.0 dB	±1.5 dB
Return Loss - Input	—	22.0 dB	21.0 dB
Return Loss - Output	—	20.0 dB	21.0 dB
Port Isolation - Output	—	25.0 dB	25.0 dB
Group Delay (span 3.58 MHz)	54-60 MHz	15 ns	—
	61-1000 MHz	7 ns	—
Group Delay (span 1 MHz)	5-42 MHz	—	17 ns
	10-40 MHz	—	7 ns
Power to RF Input Isolation	5-1000 MHz	100 dB (min)	—
RFI Isolation	5-1000 MHz	-110 dBc	—
Noise Figure	52-1000 MHz	3.0 dB	—
Distortions	CSO	-65 dBc	—
	CTB	-74 dBc	—
	Xmod	-75 dBc	—

2 Input level at +10 dBmV flat 77 channels & 200 MHz noise for QAM test from 550 to 790 MHz.
Operating Temperature: -40°C to +60°C.



47693-08P