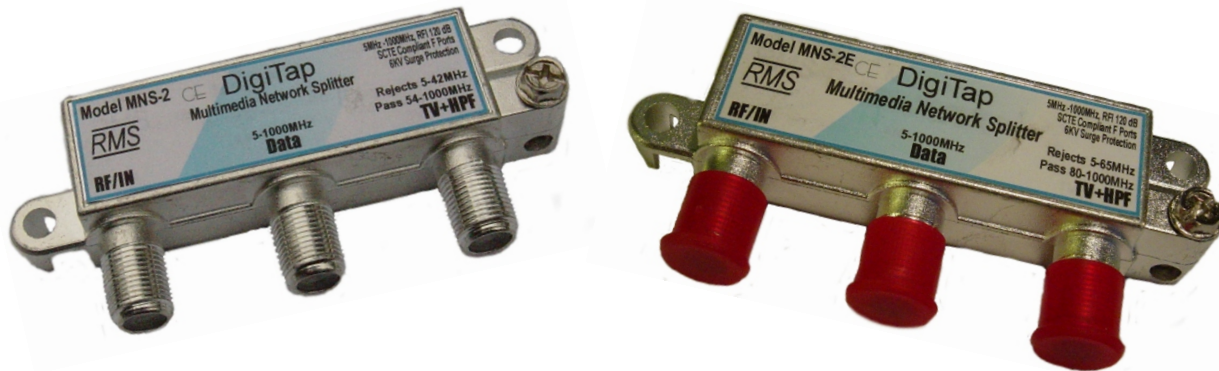




MNS-2 & MNS-2E

Multimedia Network Splitter



The RMS MNS-2 & MNS-2E Network Splitter are ideal for applications where you want to simplify the drop installs. Also you get a lower loss to the subscriber as compared with using a HPF and splitter. It also has built in surge protection and meets IEEE C62.41 A3 specifications. There are two models available MNS-2 (5-42/54-1000MHz) & MNS-2E (5-65/85-1000MHz) .

Features:

- Bandwidth 5MHz to 1GHz
- RFI Shielding >-120dB
- Micro-strip designed PCB for consistency of specifications and superior total bandwidth characteristics
- Premium ferrites, resistors and capacitors
- HPF incorporates SMD devices for superior Digital performance
- Zinc housing that is chromated and plated for maximum corrosion resistance
- Precision machined “F” ports that are SCTE compliant
- Each unit is individually packaged with mounting screws
- Capacitors on all ports for excellent hum & inter-modulation spec
- Dual flush mounting tabs for easy installation
- Integrated heavy duty grounding screw
- Modified 360 degree contacts that offer excellent contact between coax and F61 also has an excellent wiping action
- Concave solder back design assures 100% sealing of back plate to the housing and prevents pinholes
- Excellent insertion loss, isolation & return loss (input/output)
- 100% quality control at our factory
- Laminated label (UV stabilized)
- CE approved

RMS Communications Inc

11516 Downs Road, Pineville, North Carolina. 28134 USA

Email: sales@rmscommunications.net - Phone (704) 588-4008



MNS-2 & MNS-2E

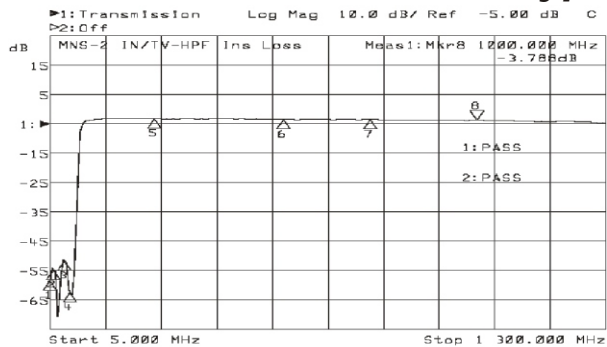
Multimedia Network Splitter

Specifications: MNS-2 (5-42MHz & 54-1000MHz)

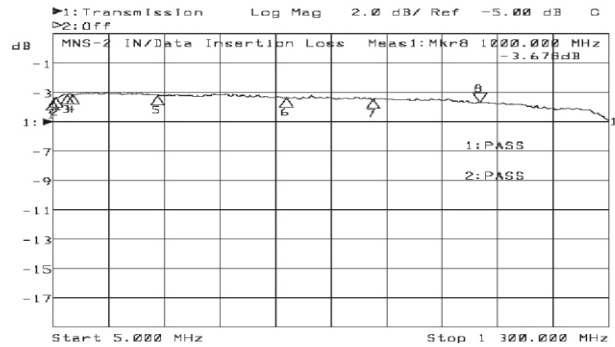
MNS-2E (5-65MHz & 65-1000MHz)

Parameter	Frequency	Typical (dB)	QA (dB)	Frequency	Typical (dB)	QA (dB)
TV Insertion Loss (Maximum dB)	5 - 42MHz	50	40	5 - 65MHz	50	40
	54 - 1000MHz	4.7	5.0	85 - 1000MHz	4.7	5
DATA Insertion Loss (Maximum dB)	5 - 42MHz	4.5	5.0	5 - 65MHz	4.5	5
	54 - 1000MHz	4.6	5.0	85 - 1000MHz	4.6	5
TV-DATA Isolation (Minimum dB)	5 - 42MHz	70	65	5 - 65MHz	70	65
	54 - 1000MHz	30	25	85 - 1000MHz	30	25
Input Return Loss (Minimum dB)	54 - 250MHz	22	18	85 - 250MHz	22	18
	251 - 900MHz	23	20	251 - 900MHz	23	20
	901 - 1000MHz	23	18	900 - 1000MHz	23	18
TV Return Loss (Minimum dB)	54 - 250MHz	21	18	85 - 250MHz	21	18
	251 - 900MHz	26	20	251 - 900MHz	26	20
	901 - 1000MHz	25	20	900 - 1000MHz	25	20
DATA Return Loss (Minimum dB)	5 - 14MHz	31	18	5 - 14MHz	31	18
	15 - 42MHz	38	25	14 - 65MHz	38	25
	54 - 250MHz	36	20	85 - 250MHz	36	20
	251 - 900MHz	23	20	250 - 900MHz	23	20
	901 - 1000MHz	23	18	900 - 1000MHz	23	18
RFI	-125dB					
2nd Harmonics	-45dBmV, measured with a 55dBmV return path input carrier					
Surge Testing	6KV, 100KHz Ring Wave Surge, IEEE C62.41 A3					

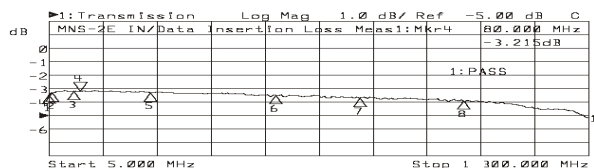
Typical Plots



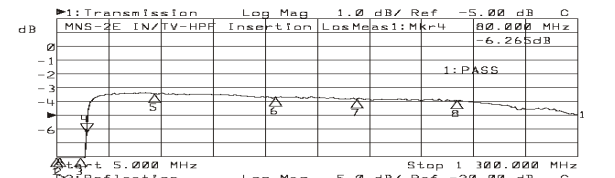
1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 5.0000	-58.575		
2: 15.0000	-54.833		
3: 40.0000	-45.455		
4: 54.0000	-3.952		
5: 250.0000	-3.344		
6: 550.0000	-3.507		
7: 750.0000	-3.581		
8: 1000.0000	-3.780		



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 5.0000	-3.539		
2: 15.0000	-3.327		
3: 40.0000	-3.130		
4: 54.0000	-3.153		
5: 250.0000	-3.103		
6: 550.0000	-3.327		
7: 750.0000	-3.473		
8: 1000.0000	-3.670		



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 5.0000	-3.447		
2: 15.0000	-3.316		
3: 40.0000	-3.217		
4: 65.0000	-3.215		
5: 250.0000	-3.310		
6: 550.0000	-3.508		
7: 750.0000	-3.690		
8: 1000.0000	-3.922		
1: 5.0000	-5.604		
2: 15.0000	-6.474		
3: 40.0000	-6.792		
4: 80.0000	-6.627		
5: 250.0000	-29.457		
6: 550.0000	-21.743		
7: 750.0000	-19.792		
8: 1000.0000	-25.100		



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 5.0000	-59.224		
2: 15.0000	-54.855		
3: 40.0000	-49.086		
4: 65.0000	-6.265		
5: 250.0000	-3.431		
6: 550.0000	-3.715		
7: 750.0000	-3.830		
8: 1000.0000	-3.924		
1: 5.0000	-5.754		
2: 15.0000	-6.658		
3: 40.0000	-6.671		
4: 80.0000	-20.700		
5: 250.0000	-26.056		
6: 550.0000	-21.858		
7: 750.0000	-21.999		
8: 1000.0000	-27.787		

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