

DOCSIS 4.0
R E A D Y



Indoor RF passives

4MMO-SERIES

The new 4MMO range of superior performance wall outlets provide operators with increased frequency range built into a high performance housing. With outstanding inner spring resilience to ensure good contact pressure and with easy access front cable connection, installation is swift and reliable.

Features

- Frequency range up to 2 GHz, Docsis 4.0 compliant
- Terminated & loop through versions built with directional couplers and diplex filters
- Electromagnetic compatibility exceeds Class A+ (= Class A +10 dB)
- Superior design ensures fast and easy installation
- Push button construction for the coaxial cable inner conductor
- High port-port isolation
- Wide range of Wall Outlet models

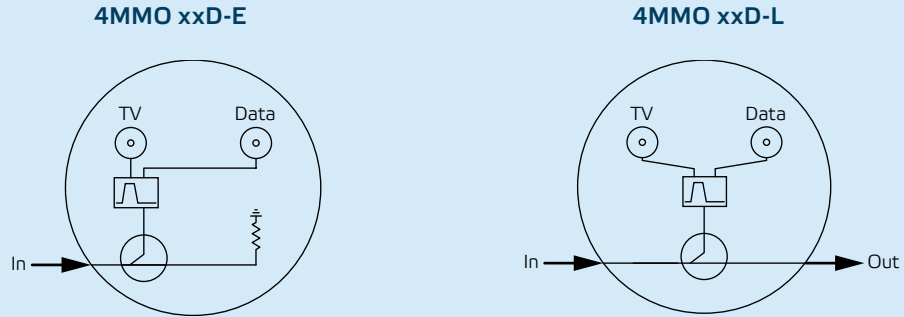
TELESTE

INDOOR RF PASSIVES / 4MMO-SERIES

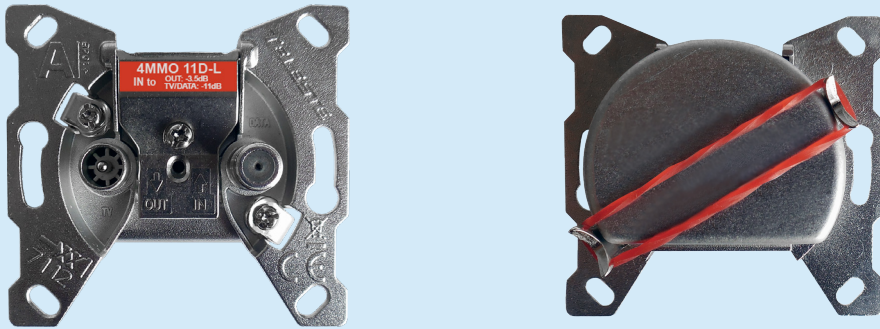
TECHNICAL SPECIFICATIONS						
Isolation (dB, Min.)						
Out to TV	4MMO 04D-E	4MMO 09D-E	4MMO 11D-L	4MMO 14D-L	4MMO 17D-L	4MMO 20D-L
5 - 204	-	-	60.0	60.0	60.0	60.0
204 - 862	-	-	24.0	24.0	24.0	24.0
862 - 1800	-	-	22.0	22.0	22.0	22.0
1800 - 2000 ⁽¹⁾	-	-	22.0	22.0	22.0	22.0
Out to Data						
5 - 10	-	-	32.0 ~ 35.0	32.0 ~ 35.0	32.0 ~ 35.0	35.0
10 - 30	-	-	32.0 ~ 35.0	32.0 ~ 35.0	35.0	35.0
30 - 204	-	-	35.0	35.0	35.0	35.0
204 - 862	-	-	24.0	24.0	24.0	24.0
862 - 1800	-	-	22.0	22.0	22.0	22.0
1800 - 2000 ⁽¹⁾	-	-	22.0	22.0	22.0	22.0
GENERAL SPECIFICATIONS						
Impedance	75 Ohm		Operating temperature		0...55 °C	
Housing Material & Plating	Zinc die cast + White Bronze plating		Connectors		IN & OUT	cable clamp + center contact push button
					TV DATA	IEC male F female
Back cover	Galvanized steel		Material & Plating		IN/OUT	Beryllium Copper + Nickel plating
					IEC male pin	Brass + Nickel plating
					F-spring	Beryllium Copper + Nickel plating
					Clamp Contact spring	Stainless Steel
Intermodulation distortion All ports ⁽⁴⁾ (dB, Min.) (2f1, f1+f2, 2f2) before surge after 25V surge after 1kV surge	-118 dBc ^(a) -115 dBc ^(b) -110 dBc ^(c)		Electromagnetic Compatibility ⁽⁵⁾ (dB, Min.) Class A+ (= Class A +10 dB)		5 - 300 300 - 470 470 - 950 950 - 2000	95 90 85 65
Data port only after 160V surge	-105 dBc ^(d)					
Cables range (cable structure dependent)	Input/Output (Cable-clamp)		Cable acceptance range	center conductor = 0.4~1.1 mm outer conductor = 3.5~6.0 mm outer jacket = 4.1~7.2 mm		
			Cable retraction force	center conductor retraction force >20N @ 0.6 - 1.13 mm pin diameter outer conductor retraction force >50N @ 3.2 - 5.8 conductor diameter		
NOTES						
(1) Typical dB value within this frequency range						
(2) In the range 258 - 274 MHz and 800 - 862 MHz with additional 0.5 dB loss						
(3) At F ≥ 47 MHz -1.5 dB/ oct. (stepped shaped limit lines)						
(4) Two carriers (60 & 65 MHz and 199 & 204 MHz), applied to each port, @120 dBμV						
(a) No surge						
(b) Measured after 10 pulses 25 VDC (1.2/500 μS) have been applied to each port						
(c) Measured after 1 pulse of 1 kV (1.2/50 μsec) have been applied to each port						
(d) Additional 160 V surge test for the data port						
(5) EMC exceeding Class A+ (= Class A +10 dB), according to IEC60728-2.						

INDOOR RF PASSIVES / 4MMO-SERIES

BLOCK DIAGRAM



PICTURE GALLERY



ORDERING INFORMATION

4MMO 04D-E	2GHz 2 Port Wall Outlet, TV & Data, 4dB Terminated
4MMO 09D-E	2GHz 2 Port Wall Outlet, TV & Data, 9dB Terminated
4MMO 11D-L	2GHz 2 Port Wall Outlet, TV & Data, 11dB Loop Through
4MMO 14D-L	2GHz 2 Port Wall Outlet, TV & Data, 14dB Loop Through
4MMO 17D-L	2GHz 2 Port Wall Outlet, TV & Data, 17dB Loop Through
4MMO 20D-L	2GHz 2 Port Wall Outlet, TV & Data, 20dB Loop Through

TELESTE

TELESTE CORPORATION
www.teleste.com

4MMO-SERIES_20220919

Copyright © 2022 Teleste Corporation. All rights reserved. Teleste and the Teleste logo are registered trademarks of Teleste Corporation. Other product and service marks are property of their respective owners.

Teleste reserves the right to make changes to any features and specifications of the products without prior notice. Although the information in this document has been reproduced in good faith, the contents of this document are provided "as is". Teleste makes no warranties of any kind in relation to the accuracy, reliability or contents of this document, except as required by applicable law.