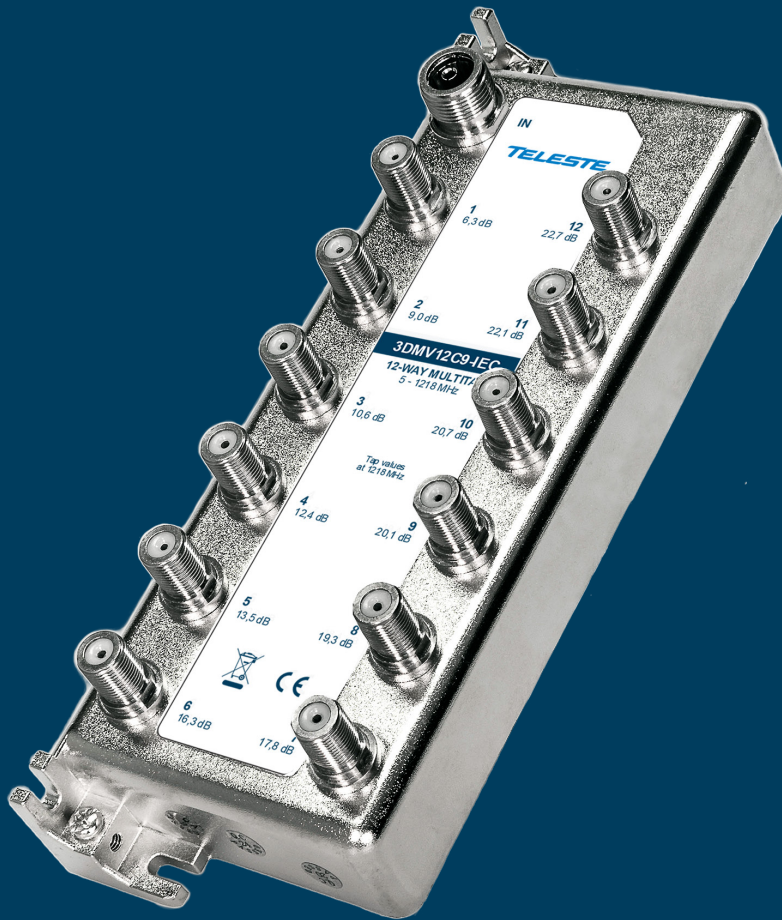


LAST MILE &
CONNECTED
HOME



Indoor RF passives

12-Way Multitap 3DMV12C9-IEC

The 3DMV12C9-IEC is the compact alternative for the 12-way DMV12C9-SL with IEC-female/M14 connector at the input.

The tilted 12-way multitap has specifically been designed by using strip line technology. The advantage is that the tap port characteristics are compensating the cable slopes depending on their individual lengths.

3DMV12C9-IEC features

- Bandwidth: 5 - 1218 MHz
- High tap to tap isolation
- F-female output connectors and IEC-female M14 Input connector
- Meets and surpasses EMC Class A
- All contacts NiSn plated
- Accommodates back and side mounting
- Small form factor

One of Teleste's unique and award winning superior performance passives designed for easy installation and reliability.



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INDOOR RF PASSIVES / 3DMV12C9-IEC

SPECIFICATIONS																		
RETURN LOSS (Min. dB) - ALL PORTS										BLOCK DIAGRAM								
Frequency (MHz)																		
5 - 40										≥20 ⁽¹⁾								
41 - 1218										≥20 ⁽²⁾								
ISOLATION (Min. dB) - ALL PORTS																		
Frequency (MHz)																		
5 - 1006										≥40 ⁽³⁾								
1007 - 1218										≥35 ⁽³⁾								
INSERTION LOSS (dB) - IN to Port																		
Port	5MHz			230MHz			470MHz			862MHz			1006MHz			1218MHz		
	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
01	-23,7	-24,4	-25,1	-15,6	-16,3	-17,0	-11,7	-12,4	-13,1	-5,8	-6,5	-7,2	-5,3	-6,0	-6,7	-5,6	-6,3	-7,5
02	-24,8	-25,5	-26,2	-17,0	-17,7	-18,5	-13,2	-13,9	-14,6	-8,2	-8,9	-9,6	-7,0	-8,7	-9,4	-8,3	-9,0	-10,2
03	-24,8	-25,5	-26,2	-17,7	-18,4	-19,1	-14,2	-14,9	-15,6	-9,8	-10,5	-11,2	-9,7	-10,4	-11,1	-9,9	-10,6	-11,8
04	-24,4	-25,1	-25,8	-18,0	-18,7	-19,4	-14,7	-15,4	-16,1	-11,0	-11,7	-12,4	-11,0	-11,7	-12,4	-11,7	-12,4	-13,6
05	-24,0	-24,7	-25,4	-18,2	-18,9	-19,6	-15,1	-15,8	-16,5	-12,1	-12,8	-13,5	-12,3	-13,0	-13,7	-12,8	-13,5	-14,7
06	-23,4	-24,1	-24,8	-20,6	-21,3	-22,0	-18,0	-18,7	-19,4	-15,2	-15,9	-16,6	-15,3	-16,0	-16,7	-15,6	-16,3	-17,5
07	-25,2	-25,9	-26,6	-21,7	-22,4	-23,1	-19,2	-19,9	-20,6	-16,6	-17,3	-18,0	-16,7	-17,4	-18,1	-17,1	-17,8	-19,0
08	-24,2	-24,9	-25,6	-20,9	-21,6	-22,3	-19,0	-19,7	-20,4	-17,3	-18,0	-18,7	-17,7	-18,4	-19,1	-18,6	-19,3	-20,5
09	-24,6	-25,3	-26,0	-21,5	-22,2	-22,9	-19,9	-20,6	-21,3	-18,3	-19,0	-19,7	-18,7	-19,4	-20,1	-18,4	-20,1	-21,3
10	-24,6	-25,3	-26,0	-21,4	-22,1	-22,8	-19,8	-20,5	-21,2	-18,7	-19,4	-20,1	-19,3	-20,0	-20,7	-20,0	-20,7	-21,9
11	-25,3	-25,9	-26,6	-22,6	-23,3	-24,0	-21,0	-21,7	-22,4	-20,2	-20,9	-21,6	-20,7	-21,4	-22,1	-20,4	-22,1	-23,3
12	-24,1	-24,8	-25,5	-22,6	-23,3	-24,0	-20,8	-21,5	-22,2	-20,3	-21,0	-21,7	-21,2	-21,9	-22,6	-22,0	-22,7	-23,9
GENERAL																		
Frequency Range			5 - 1218 MHz			EMC compatibility			IEC60728 -2			Impedance			75 ohms			
Class of enclosure			IP 54			Weight			0.45 kg			Surge immunity			1 kV			
Connectors			F-female and IEC-female/M14			Dimensions			193 x 70x 26 mm (LWH)									
MECHANICAL SPECIFICATIONS																		
F-connectors		Body material		Brass		Temperature range		Operating		-25 ... +70 °C								
		Body plating		NiSn		Housing Material		Diecast Zamak										
IEC-female M14 input connector		Inner contact material		Beryllium Copper		Salt mist		IEC 60068-2-11		Concentration: 5 %								
		Inner contact plating		NiSn		Temperature		+35 °C		Exposure time : 16 hours								
Vibration		Acceptance dia. range		0.7 - 1.2 mm		Frequency range		10 - 55 Hz		Sweep rate : 1 octave/m								
		Clamp force		≥ 115 gr. @ 0.7 mm pin		Sweep cycles		10		Displacement amplitude : 0.75 mm								
Compliance		Torque		Nom. tightning torque		Axis		3										
		4,5 Nm		IEC 61169-24 2010														
Body material		Brass		Body plating		NiSn		Inner/outer contact material		Beryllium Copper								
Inner/outer contact material		NiSn		Inner/outer contact plating		≥ 80 gram		Clamp force inner contact		≥ 500 gram								
Clamp force outer contact		≥ 500 gram		Torque		Nom. tightning torque		4,5 Nm		IEC 61169-2, 2007								
Compliance		IEC 61169-2, 2007																
NOTES										ORDERING INFORMATION								
(1) Min. 16 dB @ 5 MHz linear to 20 dB @ 15 MHz.										3DMV12C9-IEC								
(2) Frequency ≥ 40 MHz -1.5 dB /octave.										Compact 12 port Multitap with IEC M14 input.								
(3) Including minimum cable lengths in C9 cable. The minimum cable length is set at 50m for the 4 first positions (ports 1, 2, 3, 4), 35m for the 4 next ports (ports 5, 6, 7, 8) and 20m for the 4 last ports (ports 9, 10, 11, 12).																		

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