



Indoor RF passives

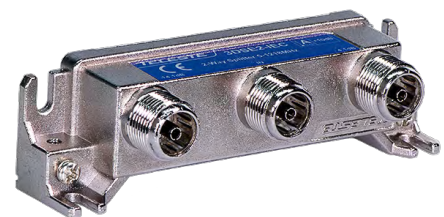
2-Way Splitter **3DSE2-IEC**

The 3DSE2-IEC is one of Teleste's superior performance RF passives that has IEC connector inputs and outputs. Multi mounting option allows fitting in horizontal or vertical planes as required for connector presentation.

3DSE2-IEC features

- Bandwidth: 5 - 1218 MHz
- Electromagnetic compatibility exceeding Class A +10 dB
- All ports IEC-female/M14
- Very good intermodulation performance
- Superior housing design ensures fast and easy installation

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



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INDOOR RF PASSIVES / 3DSE2-IEC

ELECTRICAL SPECIFICATIONS			
INSERTION LOSS (Max. dB)		ISOLATION (Min. dB)	
Frequency (MHz) IN > OUT		Frequency (MHz) IN>OUT	
5 - 10	3.5	5 - 10	30.0
10 - 65	3.7	10 - 65	35.0
65 - 470	3.8	65 - 470	30.0
470 - 862	4.0	470 - 862	28.0
862 - 1006	4.3	862 - 1006	26.0
1006 - 1218	4.6	1006 - 1218	23.0
RETURN LOSS (Min. dB) - ALL PORTS			
Frequency (MHz)			
5 - 10	22.0		
10 - 1006	22.0 ⁽¹⁾		
1006 - 1218	16.0 ⁽²⁾		
GENERAL SPECIFICATION			
Impedance	75 ohm	Connectors	IEC-female/M14ports
Dimensions	100.5 x 29.5 x ?? mm	Screening Effectiveness IEC 62153-4-7	(MHz)
Surge immunity ⁽³⁾	1 kV (1,2/50µs) @ All Ports	5 - 15	Transfer Impedance ≤ 5mΩ
Intermodulation ⁽⁴⁾ (2*f1, f1+f2, 2*f2)		15 - 30	≤ 2.5mΩ
No Surge	≥ -122 dBc	30 - 300	Triaxial Tube in Tube Method ≥ 95
10 x 25VDC	≥ -115 dBc	300 - 470	≥ 90
1 x 1kV	≥ -105 dBc	470 - 950	≥ 85
		950 - 1218	≥ 70
		Plating	NiSN, thickness > 2.0 µm
ENVIRONMENTAL SPECIFICATIONS AND TESTING			
Salt mist cyclic test ⁽⁵⁾	IEC 60068-2-52: 1996		672 hrs Number of cycles: 4 Severity: 5
Vibration ⁽⁶⁾	IEC 60068-2-6: 1995		Frequency range: 10-55 Hz Sweep rate: 1 octave /p/m Sweep cycles: 10 Displacement ampl.: 0.75 mm Axis: 3
Surge	No RF performance loss		IEC 61000-4-5
Operating temp. range	Frequency Response ⁽⁷⁾	No RF performance loss	IEC 60068-2-14 §8
NOTES			
(1) At F≥40 Mhz, -1.5 dB/octave, with 16 dB min.			
(2) Degrading to 14.5dB @1218 MHz			
(3) 1 kV, 1,2/50 µs Surge voltage according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port			
(4) Two carriers (60 & 65 MHz), applied to each output port, @120dBµV			
(a) No surge			
(b) After 10 pulses 25VDC(1,2/500µS) @ all ports			
(c) After 1 pulse 1kV (1,2/50µS) @ all ports (IEC 60728-4)			
(5) Concentration: 5%, Temperature: 35 °C, Exposure time: 16 hours			
(6) Frequency range: 10-55 Hz, Sweep rate: 1 octave/p/m, Sweep cycles: 10, Displacement amplitudes: 0.75 mm, Axis: 3			
(7) Amplitude characteristics measurement 5 to 1220 MHz @ - 25 °C and + 70 °C			
ORDERING INFORMATION			
3DSE2-IEC	3D line 2 way splitter, Euro Style Housing, 1.2GHz		

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TELESTE CORPORATION
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3DSE2-IEC_180528

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