ZT-177 350 - 6000 MHz

4 x 4 Full Fan Out Matrix

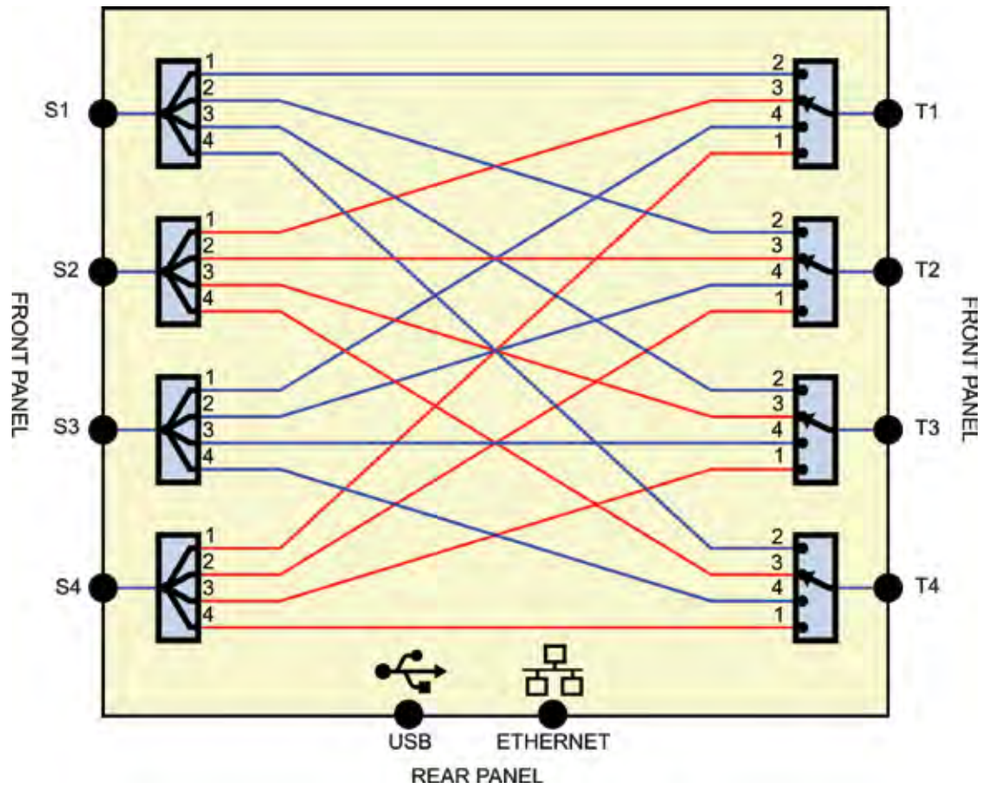
Functional Description

The ZT-177 full fan out matrix distributes each of 4 input signals into 4 switchable channels controlled via electromechanical absorptive SP4T switches at each of the output ports. This configuration allows easy switching between test channels through multiple ports without the need for re-cabling, affording the operator flexibility where routing of multiple test signals to various DUT ports is needed, and reducing test time.

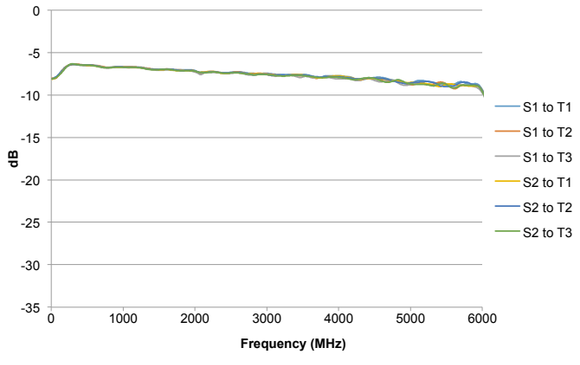
Electrical Performance

PARAMETER		PERFORMANCE		CONDITION
	Units	350 to 2000 MHz	2000 to 6000	MHz Max. RF input = +20 dBm
Path Loss, S_N port to T_M Port	dB	8.0	9.5	
Return Loss @ S_N Port	dB	14	12	When S_N and T_M connected and terminated in 50Ω load
Return Loss @ T_N Port	dB	12	15	
Isolation S_N to S_M	dB	90	90	S_N and S_M connected to the same T port
Isolation T_N to T_M	dB	20	20	T_N and T_M connected to the same S port
Leakage T_N to T_M	dB	90	90	T_N and T_M connected to different S ports
Amplitude Unbalance, S_1 to T_1 and S_1 to T_4	dB	1	1	

Functional Schematic



Typical Path Loss



Typical Return Loss