

PhaseTrack® SR

AS 9100 Registered

Phase Stable Cable Assemblies

- Phase-Optimized
- Semi-Rigid Cables
- All Phase Sensitive Systems
- All System Platforms
(Ground, Sea, Airborn and Space)



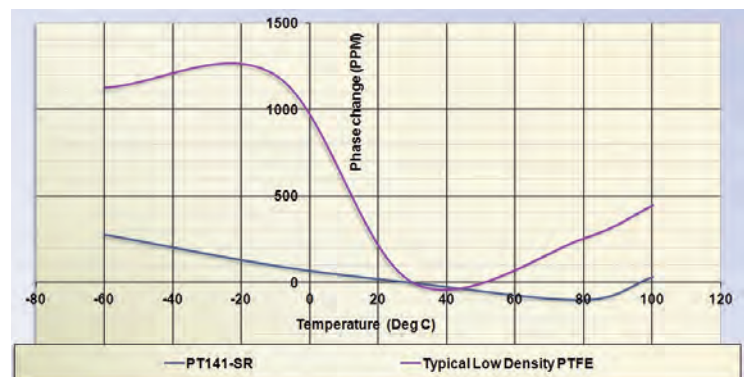
PhaseTrack® SR cable assemblies are designed for applications demanding minimal phase change over temperature.

PhaseTrack® SR cable assemblies are a classic semi-rigid-style cable with optimized phase performance.

PhaseTrack® SR cables use proprietary TF4™ dielectric that does not have the abrupt shift in phase that occurs with solid or tape wrapped PTFE based products under normal room ambient conditions.

Features:

- Superior Stability (vs LD PTFE)
- PTFE “Knee” is Nonexistent
- TF4™ Dielectric Technology



Part Number	PTSR110	PTSR141
Dielectric Technology	TF4	TF4
Diameter (in)	0.110	0.141
Minimum Bend Radius	0.325	0.425
Mass (lbs/1000 feet)	19.0	29.0
Temperature Rating	-55C to + 125C	
Center Conductor	Oxygen Free Silver Plated Copper	
Outer Conductor	Oxygen Free Tin Plated Copper	
Jacket	N/A	
Characteristic Impedance	50 Ohms	
Velocity of Propagation	82.5%	82.5%
Cutoff Frequency (GHz)	43.5	38.4
Delay (nS/foot)	1.23	1.23
Capacitance (pF/foot)	24.7	24.7
Shielding	-90 dBc/ft	
Loss @ 6 GHz (db/100 feet)	36.6	28.2
Loss @ 18 GHz (db/100 feet)	69.3	54.8
K1	0.412060	0.30382
K2	0.00077836	0.00077836

PhaseTrack® SR cable assemblies are only one of the Times Microwave Systems product families developed to solve demanding Phase Critical Applications:

- PhaseTrack® flexible cable assemblies for absolute and tracking phase applications
- PhaseTrack® LS flexible cable assemblies for Low Smoke phase applications
- PhaseTrack® SR semi-rigid cable assemblies for absolute and tracking phase applications
- SiO₂ Silicone Dioxide dielectric semi-rigid cable assemblies for ultimate phase tracking performance

Times Microwave Systems Applications Engineers are available to help you specify PhaseTrack® cable assemblies. Contact a PhaseTrack® specialist at PhaseCritical@timesmicro.com

For Performance, Quality and Reliability you can count on, count on Times Microwave Systems - The Leader



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