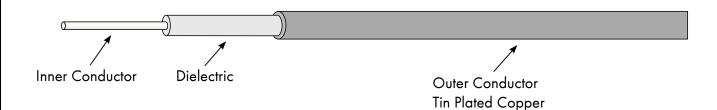


Technical Data Sheet

.141, RG402 50 Ω Semi Rigid Cable with Tinned Copper Outer Conductor PTFE Dielectric, SPCW Center Conductor

RSR-141-TP

MIL-DTL-17 Part Number: M17/130-00001



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Standard

According to MIL-DTL-17

V	\ateria	IAnc	l Diamet	er

Connector parts	Material	Diameter
Center Conductor	Silver Plated Copper Weld (SPCW)	0.92 mm/0.036 inch
Dielectric	PTFE	2.99 mm/0.118 inch
Outer Conductor	Copper	3.58 mm/0.141 inch
Outer Conductor Plated	Tin	
RoHS (2011/65/EU)	Compliant	

Mechanical Data

Operating Temperature (Max.)

Inside Minimum Bend Radius

6.35 mm/0.250 inch

Weight

4.95 kg/100 m

Electrical Data

Impedance 50Ω					
Velocity of Propagation	69.5 %	69.5 %			
Shielding Effectiveness	≥ 165 dB				
Continuous Working Voltage	1900 VRMS Ma	ax.			
Frequency	26.5 GHz				
	Frequency	dB/m	dB / Ft		
	0.5 GHz	0.25	0.076		
	1 GHz	0.37	0.113		
Attenuation	5 GHz	0.91	0.276		
	10 GHz	1.36	0.416		
	18 GHz	1.95	0.596		
	26.5 GHz	2.50	0.762		
	Frequency	Max. CW Pa	Max. CW Power Sea Level 20 °		
	0.5 GHz	600.4			
	1 GHz	450			
Power	5 GHz	180			
	10 GHz	120			
	18 GHz	83			
	26.5 GHz	65.5			

The facts and figures herein are carefully compiled to the best of our
knowledge, but they are intended for general informational purposes only.
In the effort to improve our products, we reserve the right to make changes
judged to be necessary.

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