



## Frequency:

Frequency range: 0~ 6 GHz

VSWR:  $\leq 1.15$  @ DC to 4 GHz  
 $\leq 1.40$  @ 4 to 6 GHz

Insertion Loss (dB): 0.177 under 6 GHz

## Electrical:

Impedance: 50 ohm

Voltage Rating:  $\leq 170$  V rms (Depending on cable)

Insulator Resistance :  $\geq 1$  G $\Omega$

Dielectric Withstanding Voltage : 500 V rms

Contact Resistance : Center Contact  $\leq 10$  m $\Omega$ .  
 Outer Contact  $\leq 5$  m $\Omega$

## Mechanical:

Mating : Snap-on Coupling

Engagement Force :  $\leq 3.4$  lbs

Disengagement Force : 1.4 lbs ~ 3.4 lbs

Cable Retention Force:  $\geq 7.3$  lbs (for RG178)  
 $\geq 12.1$  lbs (for RG316)



## Environmental:

Temperature Range : -55°C to 155°C

Corrosion (Salt Spray) : MIL-STD-202,  
 Method 101, Cond.B

Vibration : MIL-STD-202, Method 204, Cond.C

Thermal Shock : MIL-STD-202, Method 107, Cond.F

Mechanical : MIL-STD-202, Method 213, Cond.B

PN  
index  
0

Type	Dimensions					
	A	B	C	D	b	c
RG174,316	0.7	0.5	2.54	3.05	0.8	2.54

## Notes:

- 1- The overall contour may be slightly changed per terminating with different cable and we reserve right to change it without notice.
- 2- Any changes for interface dimensions are strictly prohibited.
- 3- The Material and plating are in various options per customer's request.
- 4- A complete information for connectors is available upon request.

Tolerances .X $\pm 0.2$ .XX $\pm 0.1$ .XXX $\pm 0.05$	Scale	Abbr.	Rev.	Part Number <b>F171-130x</b> ..... PN index above	
	NTS	ST	B		
PAGE <b>1 of 1</b>	All Dimensions in mm (Unless Otherwise Specified)			Date 2021/08/25	