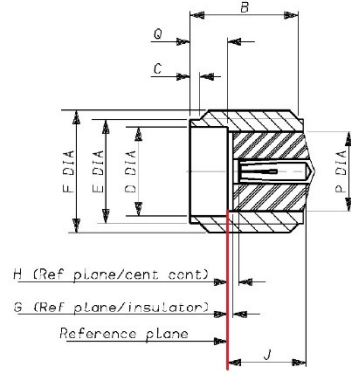
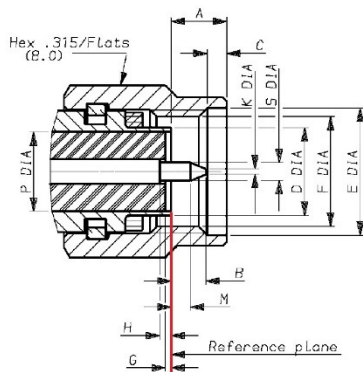


Dal catalogo Radiall

PLUG

JACK



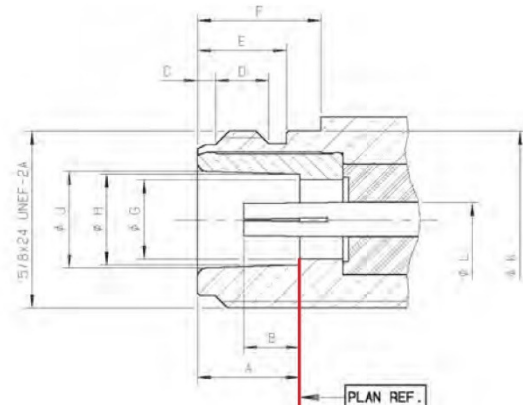
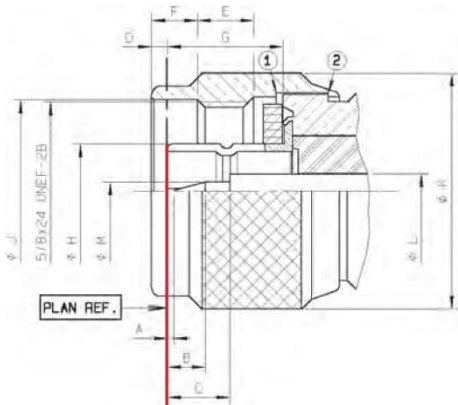
Letter	mm		inch	
	min.	max.	min.	max.
A	-	3.43	-	.135
B	-	2.54	-	.100
C	0.38	1.14	.015	.045
D DIA	-	4.59	-	-
E	6.35	-	.250	-
F DIA	1/4 36 UNS 2B			
G*	0.0	-0.20	0.0	-.008
H*	0.0	-0.25	0.0	-.010
J	-	-	-	-
K DIA	-	0.38	-	.015
M	1.27	-	.050	-
P DIA	4.10 nom.		.161 nom.	
Q DIA	-	-	-	-
S DIA	0.90	0.94	.035	.037

Letter	mm		inch	
	min.	max.	min.	max.
A	-	-	-	-
B	4.31	-	.170	-
C	0.38	1.14	.015	.045
D DIA	4.596	-	.181	-
E DIA	5.28	5.49	.208	.216
F DIA	1/4 36 UNS 2A			
G*	0.0	-0.20	0.0	-.008
H*	0.0	-0.25	0.0	-.010
J	2.92	-	.115	-
K	-	-	-	-
M	-	-	-	-
P DIA	4.10 nom.		.161 nom.	
Q	1.88	1.98	.074	.078
S DIA	-	-	-	-

Dal catalogo Radiall

PLUG

JACK



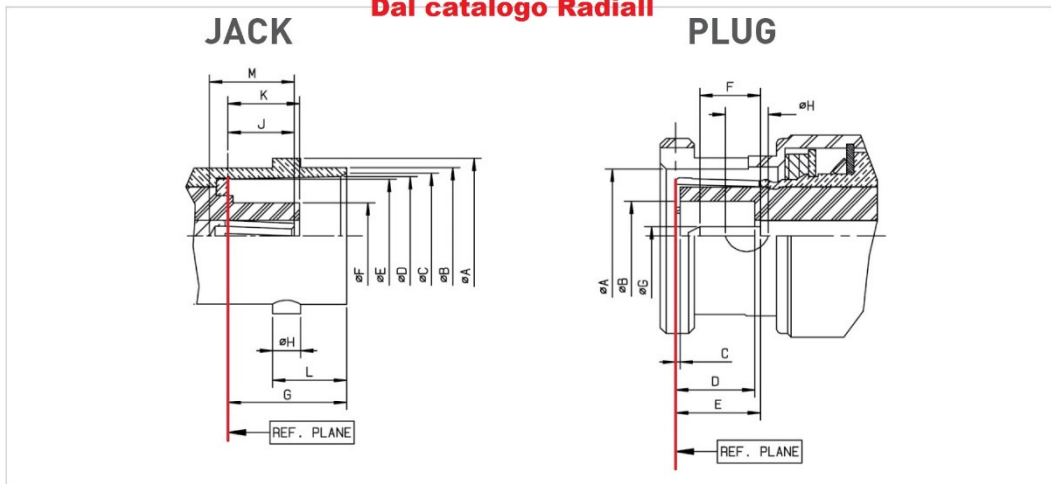
LETTER	mm		inch	
	min.	max.	min.	max.
A	0.13	1.03	.005	.13
B	2.80	3.56	.110	.140
C	5.33	5.83	.210	.229
D	1	2	.016	.066
E	4.54	5.39	.179	.212
F	4.05	4.20	.159	.165
G	10.23	10.43	.403	.411
H DIA	8.27	8.37	.326	.329
J DIA	16.1	16.2	.634	.638
K DIA	20.9	21	.823	.827
L DIA	3.01	3.05	.118	.120
M DIA	1.63	1.67	.064	.066

LETTER	mm		inch	
	min.	max.	min.	max.
A	9.05	9.19	.356	.362
B	4.75	5.25	.187	.207
C	1.20	1.95	.047	.077
D	4.4	5.1	.173	.201
E	6.8	9	.268	.354
F	10.9	11.2	.429	.441
G DIA	6.98	7.02	.275	.276
H DIA	8.03	8.13	.316	.320
J DIA	8.53	8.73	.336	.344
K DIA	15.65	15.85	.616	.624
L DIA	3.01	3.05	.118	.120

BNC 75 HDTV/BNC 50Ω

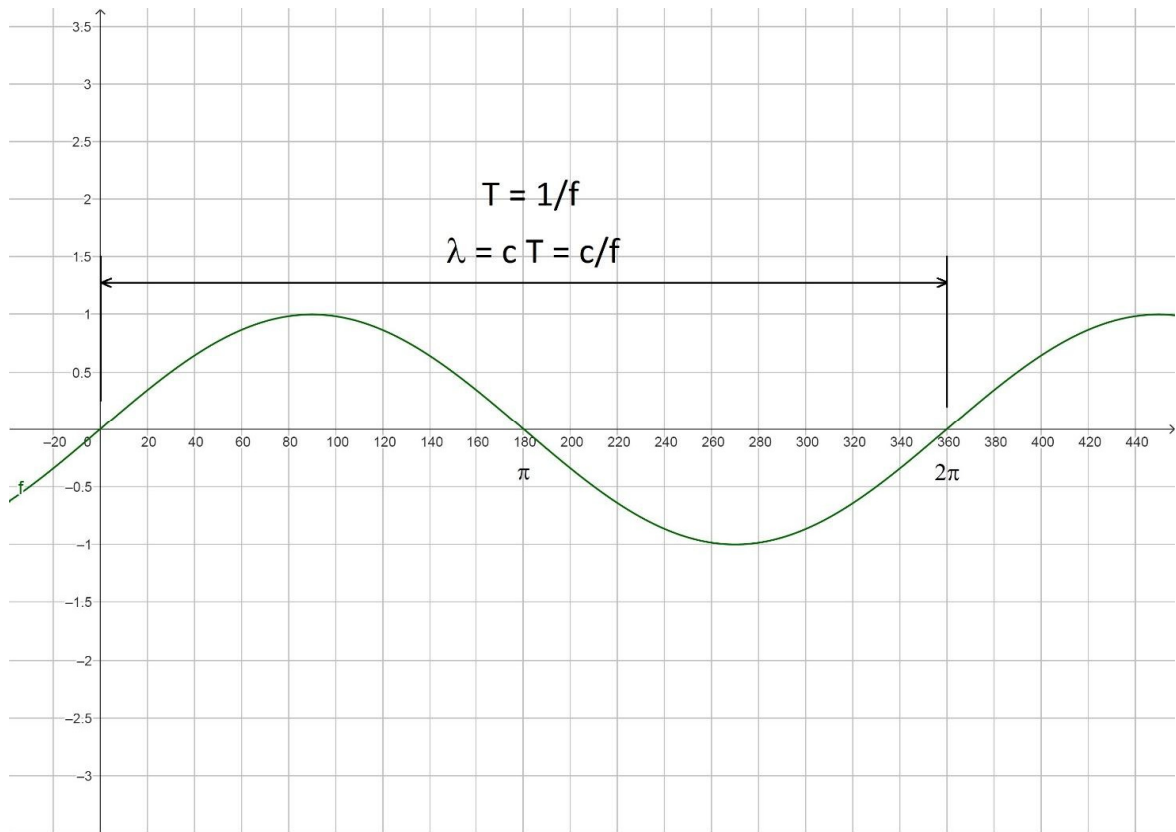
Interface BNC 50Ω

Dal catalogo Radiall



Letter	mm		inch	
	min.	max.	min.	max.
A	10.97	11.07	.432	.436
B	9.60	9.67	.378	.381
C	8.80	9.00	.346	.354
D	8.32	8.46	.328	.333
E	8.10	8.15	.319	.321
F	5.18	5.28	.204	.208
G	8.30	8.50	.327	.335
H	1.90	2.06	.075	.081
J	4.72	5.22	.186	.206
K	2.10	2.14	.083	.084

Letter	mm		inch	
	min.	max.	min.	max.
A	9.80	9.90	.386	.390
B	8.30	8.40	.327	.331
C	1.32	1.37	.052	.054
D	0.35	0.65	.014	.026
E	5.30	5.50	.209	.217
F	0.10	0.90	.004	.035
G	4.57	4.67	.180	.184



Frequenza f	Periodo T	Lunghezza d'onda	1 grado d'onda	1° d'onda con VF=0,69
Formula	$T = 1/f$	$\lambda = 300/f\text{MHz}$	$\lambda/360$	$(\lambda \cdot VF)/360$
1 MHz	1 μs	300 m	0,833 m	0,574 m
30 MHz	33,3 ns	10 m	27,7 mm	19,1 mm
300 MHz	3,33 ns	1 m	2,77 mm	1,91 mm
3 GHz	333 ps	10 cm	0,27 mm	0,19 mm

$$v_f = c \cdot VF$$

$$tempo = \frac{spazio}{velocità}$$

$$t_d = \frac{spazio}{v_f} = \frac{distanza}{c \cdot VF} = \frac{1}{c \cdot VF} distanza$$

Materiale	ϵ_r	VF	ps/mm
Aria	1,0	1,00	3,333
Foam	1,6	0,79	4,216
Teflon	2,1	0,69	4,830
Polyetilene	2,3	0,66	5,055
PVC	3,5	0,53	6,236

Connettore N-f to N-f

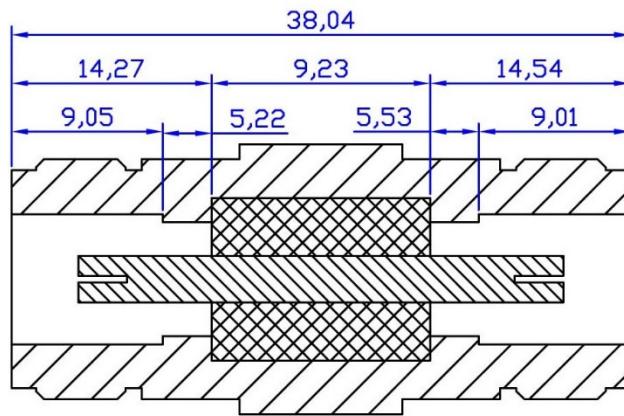
$$t_d = d_{aria} \cdot t_{aria} + d_T \cdot t_T + d_{aria} \cdot t_{aria} = 5,22 \cdot 3,333 + 9,23 \cdot 4,830 + 5,53 \cdot 3,333 = 80,41pS$$

Connettore SMA-f to SMA-f

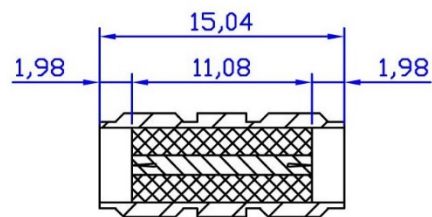
$$t_d = d_T \cdot t_T = 11,08 \cdot 4,830 = 53,52pS$$

Connettore BNC-f to BNC-f

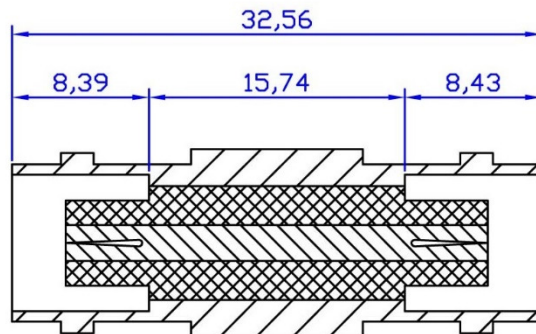
$$t_d = d_T \cdot t_T = 15,74 \cdot 4,830 = 76,02pS$$



Connettore N-J to N-J SUHNER
Delay 80,41 pS



Connettore SMA-J to SMA-J
ROSEMBERGER Delay 53,52 pS



Connettore BNC-J to BNC-J
AMPHENOL Delay 76,02 pS