

COAXIAL CONNECTORS

Navigator



SIMPLIFICATION IS OUR INNOVATION



COAXIAL CONNECTORS NAVIGATOR

SERIES

RADIALL P/N SYSTEM

R XXX XXX XXX

1 2 3

1 **SERIES**
(SMA, BNC, SMB - refer to finder guide)

2 **FUNCTION**
(Interface, geometry, panel mounting)

3 **VARIANT**
(Dimension, finish, packaging, etc.)

AEP P/N SYSTEM

9000 XXXX XXX

1 2 3

1 **SERIES**
(SMA, BNC, SMB - refer to finder guide)

2 **FUNCTION**
(Plating, captivation, attachment and materials)

3 **VARIANT**

CONNECTOR

Straight

Right Angle

Interface

Body

Attachment

GENDER

MALE

FEMALE

OPTIONS AND CUSTOMIZATION

PLUG

- Active part of the coupling system
- Generally has a male center contact except series (SMP, SMB, SMC, etc.)
- Always connected to cable
- Free floating or panel mounted

CLAMP TYPE PLUG

Interface Gasket

Sealing Gasket

V-Groove Gasket

Washer

Ground Contact

Dielectric

Center Contact

Body

Clamp Nut

Clamp

Coupling Nut

CRIMP TYPE JACK

Bulkhead

Washer

Ferrule

JACK

- Passive part of the coupling system
- Generally has a female center contact except series (SMP, SMB, SMC, etc.)
- Always connected to cable
- Free floating or panel mounted

COUPLING SYSTEM

SCREW-ON <i>SMA, SMC, TNC, N, UHF, DIN 7/16, etc.</i>		SNAP-ON <i>UMP, MMS, MMT, MC-Card, SMB, MCX</i>		SLIDE-ON <i>BMA, SMP "smooth bore"</i>		BAYONET <i>BNC, C</i>		LOCK <i>QMA, QN, QRE, SMB Lock, SMP Lock, SMZ</i>		PRESS-ON <i>IMP</i>	
	Performance Excellent		Performance Average		Performance Excellent		Performance Average		Performance Average		Performance Average
	Connection Time Long		Connection Time Very Fast		Connection Time Very Fast		Connection Time Fast		Connection Time Very Fast		Connection Time Very Fast
	Needs Space		Space Saving		Space Saving		Needs Space		Space Saving		Space Saving
	--		Perfect for miniaturization		Outer Latching Mechanism		--		Secured Mating		Perfect for miniaturization

CABLE ATTACHMENT

CLAMP TYPE ON FLEXIBLE CABLE
Center contact is soldered

CRIMP TYPE ON FLEXIBLE CABLE
Center contact can be either soldered or crimped

SOLDER TYPE ON SEMI-RIGID & CONFORMABLE CABLE
Center contact is soldered

RECEPTACLE TYPE

THROUGH HOLE

EDGE-CARD

PANEL TYPE

SMT

BULKHEAD PANEL FEEDTHROUGH

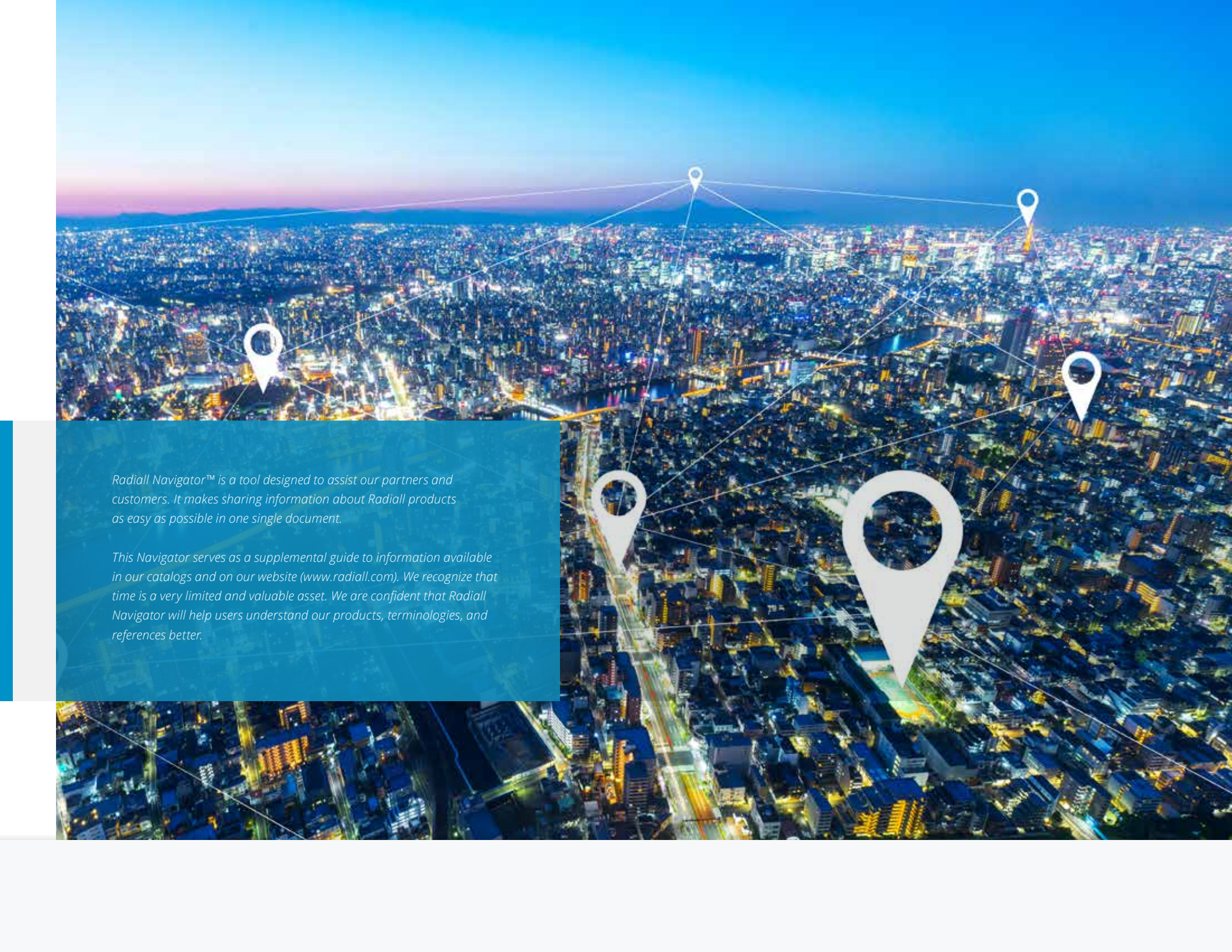
PANEL FLANGE MOUNT

PRODUCT ORDERING

SERIES		STYLE										ELECTRICAL OPTIONS																	
Name	P/N Series Prefix Radiall & Radiall AEP	Coupling						Min. Mating Cycles (Durability)	Main Cable Types						Ω		Frequency										Power (Watt) <i>CW Max at Sea Level VSWR= 1, T=20°C</i>		
		Press-on	Screw-on	Snap-on	Slide-on	Bayonet	Lock		Mini-coax 1mm	RG178	RG316, RG174	RG58, RG59	RG213, RG214	Semi-rigid & Conformable	Corrugated	50 Ohms	75 Ohms	1 GHz	2 GHz	4 GHz	8 GHz	12 GHz	18 GHz	27 GHz	40 GHz	65 GHz	@1 GHz	@FMAX	
BMA	R128				■			1000			■	■		■		■		22 GHz										450	100 (18GHz)
BNC HD TV	R140/R141/R142 6500-6999					■		100/500		■	■	■	■	■		■	■	◆	●	HD							1000	500	
BNC HT/MHV	R316					■		500				■				■		2 GHz									1000	700	
BR2	R605					■		500	Twinax style								5 GHz												
C	R166					■		500				■	■			■		11 GHz										1200	350
COAXIPACK 2	R694						■	500		■	■					■		6 GHz									40	20	
DIN 7/16	R185/R187		■					500					■	■	■	■		8 GHz									2000	700	
HN	R176		■					500					■			■		3 GHz									1200	850	
IMP-LP	R107.8	■						50								■		18 GHz											
MC Card	R199/R299			■				5000		■	■					■		8 GHz									40	14	
Moebius	R199			■				20000		■	■					■		6 GHz									40	14	
MCX	R113/R213			■				500		■	■			■		■		6 GHz									150	60	
MMBX	R223			■				100		■	■					■		12 GHz									100	25	
MMCX	R110			■				500		■				■		■		6 GHz									60	25	
MML	R302	■					■	30		■						■		6 GHz									250 (@1 GHz)		
MMS	R209			■				50	■	■				■		■	■	◆	6 GHz								38	15	
MMT	R210			■				500		■	■					■	■	◆	8 GHz								38	13	
N/N 18	R161/R162/R163 4000		■					500				■	■	■	■	■	■	◆	● 11 GHz		18 GHz						1200	350	
NEX10	R180		■				■	100						■	■			20 GHz									250		
QMA	R123						■	100			■	■		■		■		6 GHz									450	180	
QN	R164						■	100				■	■	■	■	■		11 GHz									1000	300	
QRE™	R324						■	100						■		■		12 GHz									450	130	
SBMA	R108				■			500		■	■					■		27 GHz									100	20	
SHV	R317					■		500				■				■		2 GHz									1000	700	
SMA/ SMA-COM	R124/R125/R126 9000-9999		■					500			■	■		■		■		18 GHz				27 GHz					450	100 (18GHz)	
SMA 2.9 (K)	R127		■					500		■	■	■		■		■		40 GHz										450	70
SMA 3.5	Limited offering		■													■		27 GHz										450	75
SMB/SLB	R114/R115/R116 2000-2699			■	■			500		■	■			■		■		4 GHz									150	75	
SMB-LOCK	R117						■	500			■	■		■		■		4 GHz									150	75	
SMC	R112 1000-1699		■					500		■	■			■		■		10 GHz									150	50	
SMP	R222			■				100/500/1000		■	■			■		■		40 GHz										100	15
SMP-COM	R2229			■				100		■	■			■		■		12 GHz									100	15	
SMP-LOCK™	R222L						■	500						■		■		40 GHz										100	15
SMP-MAX	R222M			■	■			100			■					■		10 GHz									500	190	
SMPM	R201			■	■			100/1000						■		■		65 GHz										60	7
SMPW	R218			■				100	■							■		100 GHz											
SMZ/Type 43	R214			■			■	250			◆						■	3 GHz									150	100	
SSMA	R121/R122		■					500			■			■		■		18 GHz										100	20
SSMB/SSLB	R203/7000			■				500								■		12 GHz										60	17
SSMC	R202/7000		■					500								■		12 GHz										60	17
THT 20	R331		■					500					■			■		1 GHz									1500	1500	
TNC/TNC 18	R143/R144 6000-6499		■					100/500			■	■	■	■		■	■	◆	● 11 GHz		18 GHz						1000	300	
UHF	R155		■					500					■			■		5 GHz									1500	1500	
UMP	R107	■					■	100	■		■					■		6 GHz									60	20	
1.85 mm	R327		■					500						■		■		67 GHz											
2.4 mm	R327		■					500						■		■		50 GHz									150	20	
4.3-10	R183		■				■	100					■	■	■	■		6 GHz									700W		
4.1-9.5	R170		■					100						■	■	■		6 GHz									650W		

◆ 50 Ohms ● 75 Ohms

Notes
This table is intended for information only. Some characteristics may change due to different environment/usage. Please consult our Technical Data Sheets.

An aerial night photograph of a city, likely Los Angeles, with its lights reflecting on the ground. Overlaid on the image are several white location pins connected by thin white lines, forming a network. The pins are located in various parts of the city, including the downtown area and the surrounding suburbs. The lines connect the pins in a way that suggests a path or a network of connections. The sky is a deep blue, and the city lights are a mix of yellow, orange, and white.

Radiall Navigator™ is a tool designed to assist our partners and customers. It makes sharing information about Radiall products as easy as possible in one single document.

This Navigator serves as a supplemental guide to information available in our catalogs and on our website (www.radiall.com). We recognize that time is a very limited and valuable asset. We are confident that Radiall Navigator will help users understand our products, terminologies, and references better.

SIMPLIFICATION is our INNOVATION

We advance the design and engineering process for innovators, ground-breakers and pioneers of technology. We reduce weight, improve durability and streamline installation to provide leading-edge connectors that drive product performance.

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GLOBAL PRESENCE

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