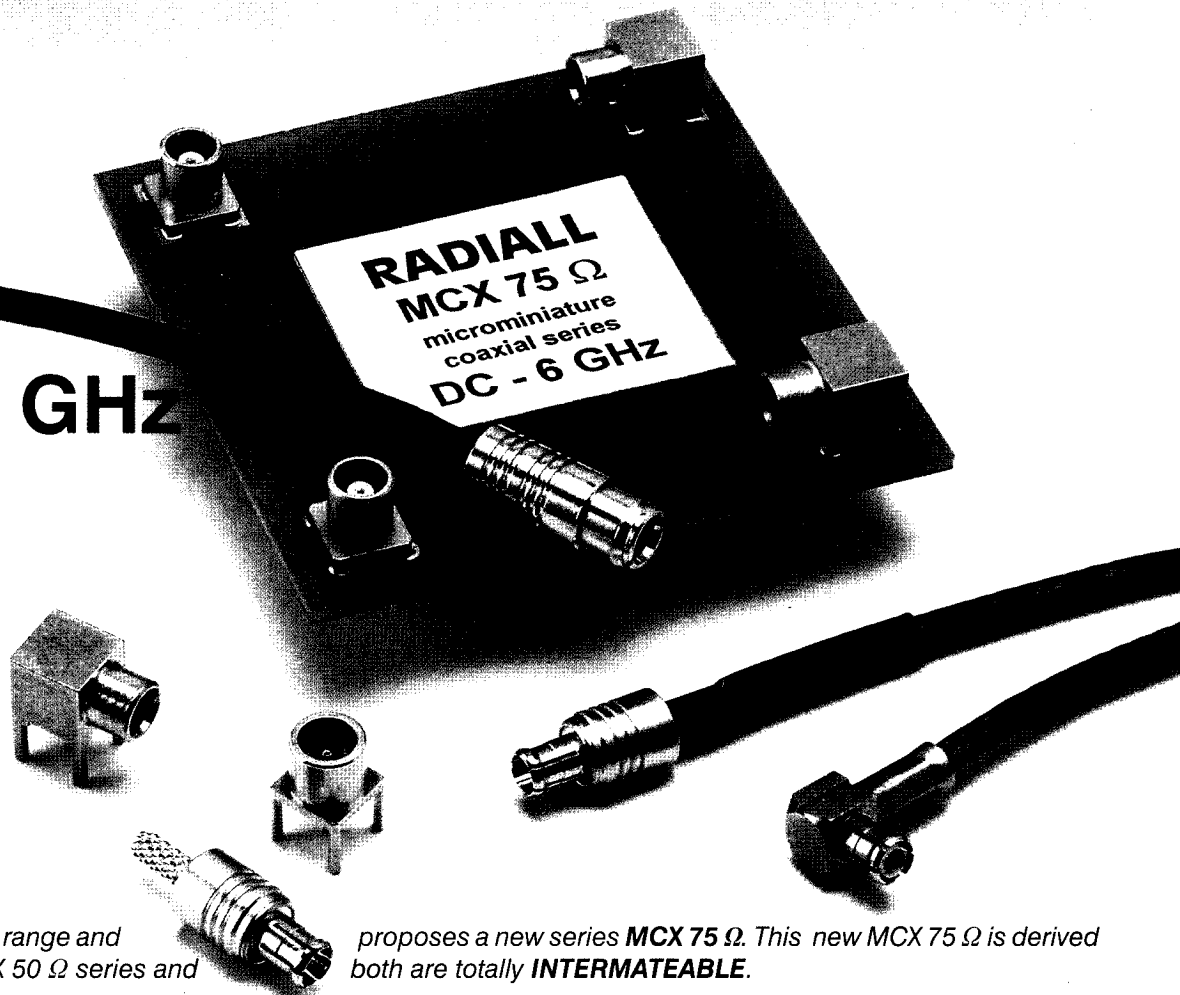


# Microminiature Coaxial Connectors

75  $\Omega$

VIDEO

DC to 6 GHz



**RADIALL** widens its MCX range and from the well-known MCX 50  $\Omega$  series and

proposes a new series **MCX 75  $\Omega$** . This new MCX 75  $\Omega$  is derived both are totally **INTERMATEABLE**.

Approximately **50% SMALLER** than the SMZ (SMB 75), this new series features excellent performance from DC to 6 GHz for **MONITORING, VIDEO** and **BROADCAST** applications.

The straight cable connectors are **FULL CRIMP**. The panel jacks benefit from a fast and easy **SNAP MOUNT**, already proven in the SMZ series. These jacks can also be used as free cable connectors.

All cable connectors are manufactured in brass with BBR finish (non-magnetic Bronze alloy) and are available for **SINGLE AND DOUBLE BRAID CABLES**. The PCB receptacles are made of brass with gold finish.

## TECHNICAL DATA

- Nominal impedance : 75  $\Omega$
- Frequency range : DC – 6 GHz
- VSWR mated pair : 1.22 max
- Working voltage : 335 Vrms max
- Cable retention
  - 2.6 single braid : 53 N min
  - 2.6 double braid : 105 N min
- Temperature range : -55°C / +155°C
- Life : 500 matings min

## CONSTRUCTION

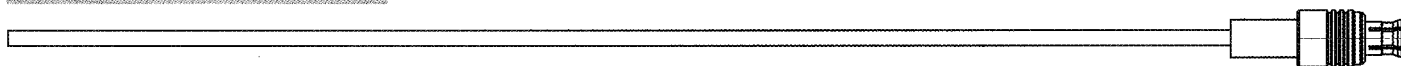
connector part	material	finish
bodies		
<i>plugs &amp; jacks</i>	: brass	BBR
<i>PCB receptacles</i>	: brass	gold
center contacts		
<i>male</i>	: brass	gold
<i>female</i>	: UBe2	gold
outer contacts	: UBe2	gold
other metallic parts	: brass	BBR
insulators	: PTFE or polyimid resin	

ISO 9001 APPROVED



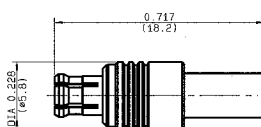
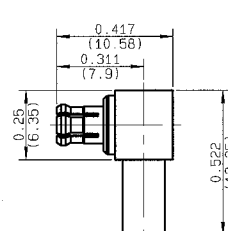
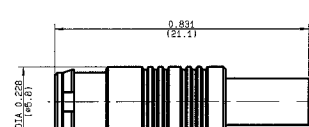
**RADIALL**®

Connect to the future

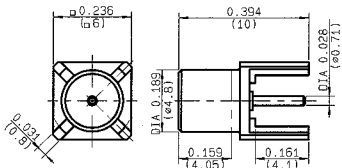
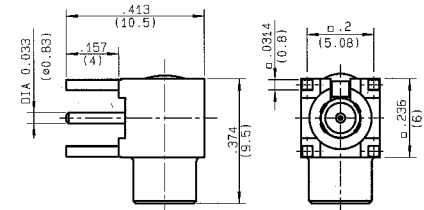


**CABLES CONNECTORS, CRIMP TYPE, CABLE 2.6 mm / 75 Ω**


Standard packaging : 100 pieces (\*)

Full crimp straight plug	Crimp right-angle plug	Full crimp straight snap jack
 <p>Single braid cable <b>R213 082 007</b> Double braid cable <b>R213 083 007</b></p>	 <p>Single braid cable <b>R213 182 007</b> Double braid cable <b>R213 183 007</b></p>	 <p>Single braid cable <b>R213 238 007</b> Double braid cable <b>R213 239 007</b></p>

**PCB RECEPTACLES, THROUGH-HOLE SOLDER TYPE**

Straight jack	Right-angle jack
 <p><b>R213 426 000</b> standard packaging : 100 pieces (*) <b>R213 426 850</b> packaging : plastic stick of 75 pieces</p>	 <p><b>R213 665 000</b> standard packaging : 100 pieces (*) <b>R213 665 850</b> packaging : plastic stick of 60 pieces</p>

PERCAGE PANNEAU (MOUNTING HOLE)



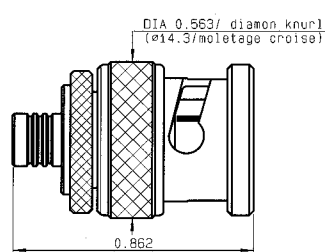
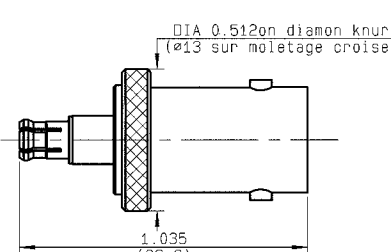
MM		INCH	
maxi	mini	maxi	mini
A 1.4	1.3	.055	.051
B 5.13	5.03	.202	.198

**PCB RECEPTACLES, SURFACE-MOUNT TYPE**

SMT on-board straight jack	SMT on-board right-angle jack
<p><b>R213 424 800</b> standard packaging : reel of 100 pieces (*)</p>	<p><b>R213 664 800</b> standard packaging : reel of 100 pieces (*)</p>

**BETWEEN-SERIES ADAPTORS MCX 75 Ω / BNC 75 Ω**

Standard packaging : unit

Straight adaptor MCX f. / BNC m.	Straight adaptor MCX m. / BNC f.
 <p><b>R192 473 007</b></p>	 <p><b>R192 475 007</b></p>

Crimping tool with fixed dies : **R282 271 000.**

(\*) Also available in unit packaging : add W after the part number

RADIALL France (33) (0)1 49 35 35 35  
 RADIALL S.F. (Finland) (358) (0)208 451 077  
 RADIALL G.m.b.H. (Germany) (49) 6 074 910 70  
 RADIALL Elettronica S.R.L. (Italy) (39) 2 48 85 12 1  
 RADIALL B.V. (Netherlands) (31) 33 253 40 09  
 RADIALL A.B. (Sweden) (46) 87 54 73 15  
 TRANSRADIO Ltd (U.K.) (44) 1 819 978 880

RADIALL INC. (Connecticut-USA) (1) 203 386 10 30  
 JERRIK INC. (Arizona-USA) (1) 602 730 57 00  
 RADIALL Ltda (Brasil) (55) 21 282 13 25  
 RADIALL Electronics Ltd (Asia) (852) 2 959 38 33  
 NIHON RADIALL KK (Japan) (81) 3 38 66 23 90  
 RADIALL Protectron Ltd (India) (91) 80 839 46 73

1997 February Edition

D1 213 TE



Registered Trade Mark

Printed in France