



MAF90001

Dual-band Microblade Antenna AMPS (824-896 MHz), GSM (880-960 MHz), PCS (1850-1990 MHz)

The MAF90001 microblade antenna for Cellular, AMPS, GSM and PCS features a unique conformal design making it an ideal solution for applications where a traditional whip antenna is not practical. The MAF90001 utilizes printed circuit technology to provide gain and superior impedance bandwidth. Includes RG-174 cable and adhesive tape to mount the antenna.

FEATURES & BENEFITS

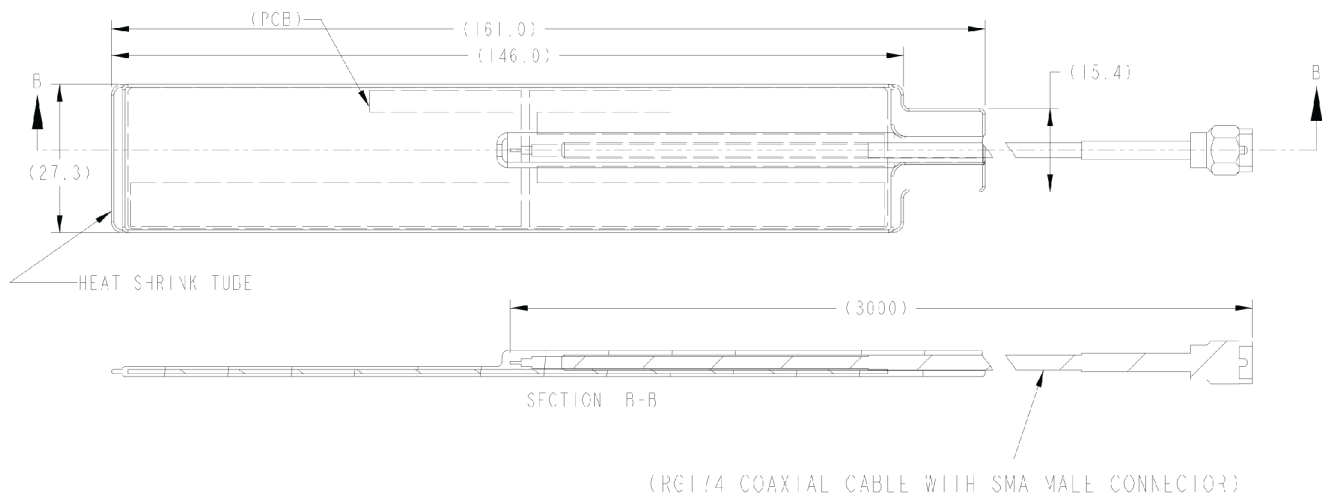
- Slim flexible design for easy integration into vehicles
- Sleek durable housing for increased lifespan
- Ideal for data over voice applications

SPECIFICATIONS

ELECTRICAL SPECIFICATION		
Operating Frequency (MHz)	824-896	1850-1990
VSWR	<2.0:1	<2.0:1
Gain (dBi)	2.5	3.6
Radiation	Omnidirectional	Omnidirectional
Nominal Impedance (Ohms)	50	
Polarization	Linear	Linear

MECHANICAL SPECIFICATION	
Dimensions L x W mm (in.)	161 x 27.3 (6.34 x 1.07)
Radome Material	Heat Shrink Tubing
Cable	229 mm (9 in.) RG-174
Connector	SMA Male
Operating Temperature - °C (°F)	-20 to +65 (-4 to +149)
Storage Temperature - °C (°F)	-30 to +75 (-22 to +167)

MECHANICAL DRAWINGS



TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, TE Connectivity, TE connectivity (logo), and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, complete, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES REGARDING THE INFORMATION CONTAINED HEREIN, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event will TE be liable for any direct, indirect, incidental, special or consequential damages arising from or related to recipient's use of the information. It is the sole responsibility of recipient of this information to verify the results of this information using their engineering and product environment. Recipient assumes any and all risks associated with the use of the information. Antenna performance may vary. TE is a component manufacturer, and customer and/or end-user is responsible for all end-use compliance and regulatory requirements.

©2025 TE Connectivity. All Rights Reserved.

05/25 Original