

Antenova's gigaNOVA<sup>®</sup> standard antennas - dedicated to wireless communication.

Antenova, the integrated antenna and RF solutions company, offers the gigaNOVA<sup>®</sup> range of market leading standard antenna solutions for 2.3 GHz, 2.4 GHz, 2.5 GHz, 5 GHz, GPS, GSM and ISM900 bands. Designed for ease of integration into wireless devices, they are the smart choice for GPS, Bluetooth<sup>®</sup> (BT, BT EDR, BT LE), Wi-Fi<sup>®</sup>, ZigBee<sup>®</sup>, WiMAX<sup>™</sup>, WiBro, MIMO and cellular M2M applications.

No matter how impressive the design and performance of wireless components, effective communication can only be achieved with the right antenna.



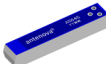
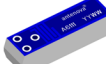

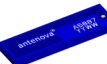
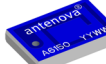



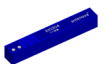
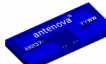

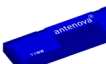
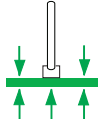

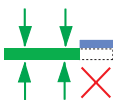
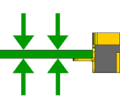
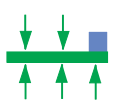
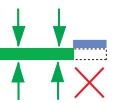
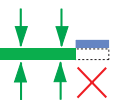
Antenova offers a full range of development support and RF testing to help reduce customization, design costs and accelerate your time to market.

Make Antenova your partner of choice from new product development through the full lifecycle of your product.

To find out more, email [sales@antenova.com](mailto:sales@antenova.com).

		WiMAX <sup>™</sup> at 2.3 GHz & 2.5 GHz and WiBro						
		Swivel		SMD				
								
Product name		Titanis	Picea	Mica	Comata	Rufa	Impexa	Fusca
Part no	Left	B4844	B5771	A5645	A6111	A5839	A6150	A10192
	Right					A5887	A6250	
Dimensions [L x W x H] (mm)		20 x 19.5 x 62	14.9 x 12 x 48	20.5 x 3.6 x 3.3	12.8 x 3.6 x 3.3	12.8 x 3.9 x 1.1	6.1 x 3.9 x 1.1	4 x 3 x 1.1
Efficiencies	WiMAX & WiBro 2.3 GHz	75%	70%	55%	45%	65%	55%	50%
	WiMAX 2.5 GHz	70%	70%	55%	not available	55%	60%	55%
Components & groundplane								
Comments		Also available with reverse thread, part no B6090 Not for outdoor use	PCB thickness: 1.6mm Not for outdoor use					

# gigaNOVA® Antenna Quick Guide

		Bluetooth® (BT, BT EDR, BT LE), Wi-Fi® and ZigBee®								GPS			Cellular			
		Swivel		SMD								Solder	SMD		SMD	
																
Product name		Titanis	Picea	Mica	Comata	Mixtus	Rufa	Impexa	Fusca	Indica	Acuta	Brevis	Cyaneus	Calvus	Reflexus	
Frequency		2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz / 5 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	1575 MHz	1575 MHz	1575 MHz	GSM850/900/1800/1900/WCDMA	GSM850/900/1800/1900/WCDMA	
Part no	Left	B4844	B5771	A5645	A6111	A10194	A5839	A6150	A10192	A10381	A10415	A10204	A10137	A10340	A10315	
	Right						A5887	A6250								
Dimensions [L x W x H] (mm)		20 x 19.5 x 62	14.9 x 12 x 48	20.5 x 3.6 x 3.3	12.8 x 3.6 x 3.3	10 x 10 x 0.9	12.8 x 3.9 x 1.1	6.1 x 3.9 x 1.1	4 x 3 x 1.1	3.3 x 1.6 x 0.65	25 x 5 x 4	22 x 3 x 3	20.1 x 9 x 1.6	28 x 8 x 3.2	40 x 10 x 3.2	
VSWR		<1.6:1	<1.7:1	<1.8:1	<2.3:1	<1.4:1 / <1.8:1	<1.8:1	<1.9:1	<2:1	<1.6:1	<2:1	<1.4:1	<1.4:1	<3:1	<3:1	
Efficiency (Typical)		80 %	70%	65%	45%	79%	75%	65%	65%	70%	60%	50%	70%	66%	70%	
						66%								69%	60%	
Components & groundplane																
Comments		Also available with reverse thread, part no B6090  <b>Not for outdoor use</b>	PCB thickness: 1.6mm  <b>Not for outdoor use</b>									<b>Ceramic Patch Antenna Replacement</b>  Solders direct to edge of host device PCB				

## Implementation support

Antenova recommends our customers to use our know-how when it comes to implementing the antenna. We can offer advanced measuring equipment, custom tuning and technical support to obtain a secure and reliable implementation.

## Contact us

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