



195, GIDC, Behind VCCI Complex,
Makarpura-Vadodara, Gujrat-INDIA-390010
Phone: +91 265 2647987
FAX : +91 265 2633894



Mail: <mailto:info@twinantennas.com> / sales@twinantennas.com
WEB: www.twinantennas.com, www.twin-engineers.com

	2.3-2.7 GHz Dual Polarized MIMO Sector Antenna	2.4-2.5 GHz Dual Polarized MIMO Sector Antenna	3.3-3.7 GHz Dual Polarized MIMO Sector Antenna	4.9-5.9 GHz Dual Polarized MIMO Sector Antenna	5.7-5.9 GHz Dual Polarized MIMO Sector Antenna
PARAMETER	SPECIFICATION	SPECIFICATION	SPECIFICATION	SPECIFICATION	SPECIFICATION
Frequency Range	2.3GHz to 2.7GHz	2.4GHz to 2.5GHz	3.3GHz to 3.7GHz	4.9GHz to 5.9GHz	5.7GHz to 5.9GHz
Gain	14dBi/16dBi/18dBi	14dBi/16dBi/18dBi	14dBi/16dBi/18dBi	14dBi/16dBi/18dBi	14dBi/16dBi/18dBi
VSWR	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1
Polarization	Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical
F/B Ratio	>26dB	>26dB	>26dB	>26dB	>26dB
Port to Port Isolation	>30dB	>30dB	>30dB	>30dB	>30dB
Power Handling	100Watt(CW)	100Watt(CW)	100Watt(CW)	100Watt(CW)	100Watt(CW)
HPBW	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Connector	2 X N female	2 X N female	2 X N female	2 X N female	2 X N female
Temperature	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C
Humidity	95%	95%	95%	95%	95%
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground
Radome Material	ABS	ABS	ABS	ABS	ABS
Radome Colour	Milky white Colour	Milky white Colour	Milky white Colour	Milky white Colour	Milky white Colour
Survival Wind Speed	180km/hr.	180km/hr.	180km/hr.	180km/hr.	180km/hr.
Mounting	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.
Size	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm



195, GIDC, Behind VCCI Complex,
Makarpura-Vadodara, Gujrat-INDIA-390010
Phone: +91 265 2647987
FAX : +91 265 2633894



Mail: <mailto:info@twinantennas.com> / sales@twinantennas.com
WEB: www.twinantennas.com, www.twin-engineers.com

	2.3-2.7 GHz Cross polarized MIMO Sector Antenna	2.4-2.5 GHz Cross Polarized MIMO Sector Antenna	3.3-3.7 GHz Cross Polarized MIMO Sector Antenna	4.9-5.9 GHz Cross Polarized MIMO Sector Antenna	5.7-5.9 GHz Cross Polarized MIMO Sector Antenna
PARAMETER	SPECIFICATION	SPECIFICATION	SPECIFICATION	SPECIFICATION	SPECIFICATION
Frequency Range	2.3GHz to 2.7GHz	2.4GHz to 2.5GHz	3.3GHz to 3.7GHz	4.9GHz to 5.9GHz	5.7GHz to 5.9GHz
Gain	14dBi/16dBi/18dBi	14dBi/16dBi/18dBi	14dBi/16dBi/18dBi	14dBi/16dBi/18dBi	14dBi/16dBi/18dBi
VSWR	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1
Polarization	± 45 deg (cross)	± 45 deg (cross)	± 45 deg (cross)	± 45 deg (cross)	± 45 deg (cross)
F/B Ratio	>26dB	>26dB	>26dB	>26dB	>26dB
Port to Port Isolation	>30dB	>30dB	>30dB	>30dB	>30dB
Power Handling	100Watt(CW)	100Watt(CW)	100Watt(CW)	100Watt(CW)	100Watt(CW)
HPBW	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°	Horizontal- (120°/90°/60°) ± 5° Vertical- (13°/11°/8°) ± 2°
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Connector	2 X N female	2 X N female	2 X N female	2 X N female	2 X N female
Temperature	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C
Humidity	95%	95%	95%	95%	95%
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground
Radome Material	ABS	ABS	ABS	ABS	ABS
Radome Colour	Milky white Colour	Milky white Colour	Milky white Colour	Milky white Colour	Milky white Colour
Survival Wind Speed	180km/hr.	180km/hr.	180km/hr.	180km/hr.	180km/hr.
Mounting	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.
Size	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm



195, GIDC, Behind VCCI Complex,
Makarpura-Vadodara, Gujrat-INDIA-390010
Phone: +91 265 2647987
FAX : +91 265 2633894



Mail: <mailto:info@twinantennas.com> / sales@twinantennas.com
WEB: www.twinantennas.com, www.twin-engineers.com

	2.3-2.7 GHz Dual Polarized MIMO Patch Antenna	2.4-2.5 GHz Dual Polarized MIMO Patch Antenna	3.3-3.7 GHz Dual Polarized MIMO Patch Antenna	4.9-5.9 GHz Dual Polarized MIMO Patch Antenna	5.7-5.9 GHz Dual Polarized MIMO Patch Antenna
PARAMETER	SPECIFICATION	SPECIFICATION	SPECIFICATION	SPECIFICATION	SPECIFICATION
Frequency Range	2.3GHz to 2.7GHz	2.4GHz to 2.5GHz	3.3GHz to 3.7GHz	4.9GHz to 5.9GHz	5.7GHz to 5.9GHz
Gain	8dBi/ 12dBi	8dBi/ 12dBi	8dBi/ 12dBi	8dBi/ 12dBi	8dBi/ 12dBi
VSWR	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1
Polarization	Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical	Horizontal & Vertical
F/B Ratio	>26dB	>26dB	>26dB	>26dB	>26dB
Port to Port Isolation	>30dB	>30dB	>30dB	>30dB	>30dB
Power Handling	100Watt(CW)	100Watt(CW)	100Watt(CW)	100Watt(CW)	100Watt(CW)
HPBW	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Connector	2 X N female	2 X N female	2 X N female	2 X N female	2 X N female
Temperature	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C
Humidity	95%	95%	95%	95%	95%
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground
Radome Material	ABS	ABS	ABS	ABS	ABS
Radome Colour	Milky white Colour	Milky white Colour	Milky white Colour	Milky white Colour	Milky white Colour
Survival Wind Speed	180km/hr.	180km/hr.	180km/hr.	180km/hr.	180km/hr.
Mounting	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.
Size	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm



195, GIDC, Behind VCCI Complex,
Makarpura-Vadodara, Gujrat-INDIA-390010
Phone: +91 265 2647987
FAX : +91 265 2633894



Mail: <mailto:info@twinantennas.com> / sales@twinantennas.com
WEB: www.twinantennas.com, www.twin-engineers.com

	2.3-2.7 GHz Cross polarized MIMO Patch Antenna	2.4-2.5 GHz Cross Polarized MIMO Patch Antenna	3.3-3.7 GHz Cross Polarized MIMO Patch Antenna	4.9-5.9 GHz Cross Polarized MIMO Patch Antenna	5.7-5.9 GHz Cross Polarized MIMO Patch Antenna
PARAMETER	SPECIFICATION	SPECIFICATION	SPECIFICATION	SPECIFICATION	SPECIFICATION
Frequency Range	2.3GHz to 2.7GHz	2.4GHz to 2.5GHz	3.3GHz to 3.7GHz	4.9GHz to 5.9GHz	5.7GHz to 5.9GHz
Gain	8dBi/12 dBi	8dBi/ 12dBi	8dBi/ 12dBi	8dBi/ 12dBi	8dBi/ 12dBi
VSWR	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1	≤ 1.5:1
Polarization	±45 deg (cross)	±45 deg (cross)	±45 deg (cross)	±45 deg (cross)	±45 deg (cross)
F/B Ratio	>26dB	>26dB	>26dB	>26dB	>26dB
Port to Port Isolation	>30dB	>30dB	>30dB	>30dB	>30dB
Power Handling	100Watt(CW)	100Watt(CW)	100Watt(CW)	100Watt(CW)	100Watt(CW)
HPBW	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°	Horizontal- (65°/50°) ± 2° Vertical- (55°/45°)± 2°
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Connector	2 X N female	2 X N female	2 X N female	2 X N female	2 X N female
Temperature	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C	-10° C to 50°C
Humidity	95%	95%	95%	95%	95%
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground
Radome Material	ABS	ABS	ABS	ABS	ABS
Radome Colour	Milky white Colour	Milky white Colour	Milky white Colour	Milky white Colour	Milky white Colour
Survival Wind Speed	180km/hr.	180km/hr.	180km/hr.	180km/hr.	180km/hr.
Mounting	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.	Standard Clamp for 50mm dia.
Size	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm	500mm X 170mm X 90mm