

MISSION CRITICAL MOBILE ANTENNAS

DEFENCE / PUBLIC SAFETY / COVERT / MINING / RAIL / MARINE

UHF / VHF / Dual Band VHF & UHF / Cellular / Composite



V1.1



BENELEC.AU

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UHF ANTENNAS

SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	LENGTH (MM)
02613	Benelec UHF Flexible Mobile ¼ Wave GP Antenna - 20MHz BW (Feild Tunable)	470-490MHz	2.1dBi	AU BASE	154
02620IBK	Benelec UHF Black Mobile GP Antenna - 20MHz BW	400-420MHz	4.5dBi	AU BASE	763
02622IBK	Benelec UHF Black Mobile GP Antenna - 20MHz BW	450-470MHz	4.5dBi	AU BASE	710
02623IBK	Benelec UHF Black Mobile GP Antenna - 20MHz BW	470-490MHz	4.5dBi	AU BASE	670
02633QC	Benelec UHF Mobile ½ Wave GPI Antenna M Base - 20MHz BW (Feild Tunable)	380-400MHz	2.1dBi	M BASE UHF Plug	462
02633C	Benelec UHF Mobile ½ Wave GPI Antenna M Base - 20MHz BW (Feild Tunable)	450-530MHz	2.1dBi	M BASE UHF Plug	500
02634C	Benelec UHF Mobile Broadband Flexible ½ Wave GPI M Base	380-520MHz	2.1dBi	M BASE UHF Plug	460
02634MC	Benelec UHF Ultra Rugged Broadband GPI Antenna M Base	380-520MHz	2.1dBi	M BASE UHF Plug	320
02666	Benelec UHF Broadband Marine GPI Antenna 1" 14TPI Thread	380-490MHz	2.1dBi	N Socket	580
02656	Benelec UHF Mobile Broadband Glass Mounted GPI Antenna	406-535MHz	2.1dBi	Bare RG58	150



M BASE
UHF SOCKET
SKU: 04110L



Australian Base
5/16" 26TPI
SKU: 02740



02613

02620IBK

02622IBK

02623IBK

02633QC

02633C

02634C

02634MC

02666

02656

VHF ANTENNAS

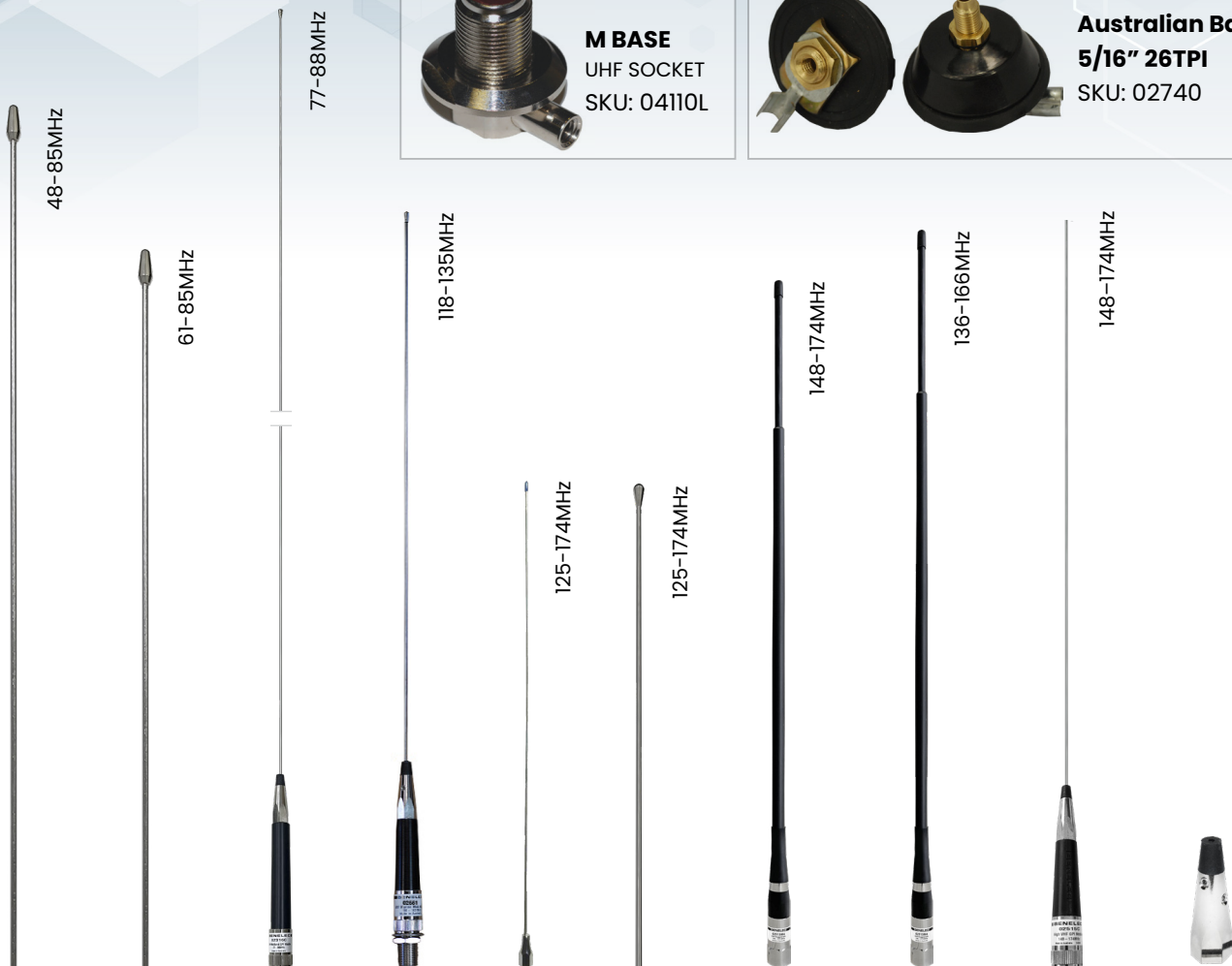
SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	LENGTH (MM)
02403	Benelec VHF Mid-band ¼ Wave Tapered Mobile GP Tunable Antenna, 6% Bandwidth (Requires 02410)	48-85MHz	2.1dBi	Plain-end	1500
02401	Benelec VHF Mid-band ¼ Wave Tapered Mobile GP Tunable Antenna, 6% Bandwidth (Requires 02410)	61-85MHz	2.1dBi	Plain-end	1200
02316C	Benelec VHF Mid-band ½ Wave GPI Mobile Antenna	77-88MHz	1.5dBq	M BASE UHF Plug	1670
02551	Benelec VHF Air-band ½ Wave GPI Mobile Antenna	118-135MHz	3dBi	M BASE UHF Plug	1357
02511	Benelec VHF High-band ¼ Wave Mobile GP Tunable Antenna Au Base, 8% Bandwidth	125-174MHz	2.1dBi	AU BASE	589
02402	Benelec VHF High-band ¼ Wave Tapered Mobile GP Tunable Antenna, 8% Bandwidth (Requires 02410)	125-174MHz	2.1dBi	Plain-end	585
02515C	Benelec VHF High-band ½ Wave GPI Mobile Antenna 5MHz BW (Feild Tunable)	148-174MHz	2.1dBi	M BASE UHF Plug	1350
02515M3	Benelec Ultra Rugged VHF High-band ½ Wave GPI Mobile Antenna	136-166MHz	2.1dBi	M BASE UHF Plug	950
02515M4	Benelec Ultra Rugged VHF High-band ½ Wave GPI Mobile Antenna	148-174MHz	2.1dBi	M BASE UHF Plug	890
02410	VHF Antenna Ferrile AU Base 5/16" 26TPI	-	-	AU BASE	-



M BASE
UHF SOCKET
SKU: 04110L



Australian Base
5/16" 26TPI
SKU: 02740



02403

02401

02316C

02551

02511

02402

02515M4

02515M3

02515C

02410

COVERT ANTENNAS

SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	DIMENSIONS (MM)
026363	UHF Covert Internal Lining GPI Antenna	406-512MHz	2.1dBi	6m RG58 Cable Bare-end	104 W x 276 L
026362T	UHF Covert Transportable GPI Antenna	360-400MHz	2.1dBi	3m RG58 Cable SMA Plug	50 H x 150 W x 220 L
02636Q6	UHF Covert Vehicle GPI Antenna	380-400MHz	2.1dBi	6m RG58 Cable Bare-end	462 H
02636V1	UHF Covert GPI Antenna	460-470MHz	2.1dBi	SMA Plug	289 H

A much larger, extensive range of Covert Antennas are available. Please contact our sales team for more information.



UHF & VHF DUAL BAND ANTENNAS

SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	LENGTH (MM)
025702	Benelec Flexible Dual Band VHF/UHF Mobile Ground Plane Antenna	140-165MHz / 400-500MHz	2.1dBi	5/16"26TPI Socket	460
025703	Benelec Flexible Dual Band VHF/UHF Mobile Ground Plane Antenna	138-162MHz / 450-510MHz	2.1dBi	5/16"26TPI Socket	460
025704	Benelec Flexible Dual Band VHF/UHF Mobile Ground Plane Antenna	157-174MHz / 400-480MHz	2.1dBi	5/16"26TPI Socket	430
025720	Benelec Dual Band VHF/UHF Base Ground Plane Independent Antenna	136-144MHz / 485-510MHz	2.1dBi	N Socket	1935

GPS ANTENNAS

SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	DIMENSIONS (MM)
0294101	Active GPS Glass Mount Antenna, 5m Cable	GPS 1575.42MHz	28dB	SMA Plug	38 x 45 x 13
0294104	Active GPS Panel Mount Waterproof Antenna, 5m Cable	GPS 1575.42MHz	28dB	SMA Plug	46 x 20 x 13
0294105	Active GPS Magnetic Waterproof Antenna, 5m Cable	GPS 1575.42MHz	28dB	SMA Plug	38 x 45 x 13



**Australian Base
5/16" 26TPI**
SKU: 02740



025702



025703



025704



025720



0294101



0294104



0294105

CELLULAR ANTENNAS

SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	LENGTH (MM)
024584	Cellular 5G Base Dipole Antenna	617-960MHz, 1710-2700MHz, 3.5-6.0GHz	1.8-4.7 dBi	SMA Plug	203
024563	Cellular 5G Mobile or Fixed Site Low Profile Antenna	695-960MHz, 1710-2700MHz, 3.5-3.8MHz	2/3/5 dBi	SMA Plug	77
024573	Cellular 5G Mobile Collinear Spring Mounted Antenna	690-960MHz, 1710-2700MHz, 3.5-3.7GHz	3dBi	SMA Plug	420
024575	Cellular 5G Mobile Collinear Spring Mounted Antenna	690-960MHz, 1710-2700MHz, 3.5-3.7GHz	6dBi	SMA Plug	905
024575R	Cellular 5G Mobile Collinear Removable Spring Antenna	690-960MHz, 1710-2700MHz, 3.5-3.7GHz	6dBi	SMA Plug	905
024579	Cellular 5G Mobile Collinear Spring Mounted Antenna	690-960MHz, 1710-2700MHz, 3.5-3.7GHz	7.5dBi	SMA Plug	1220
024579R	Cellular 5G Mobile Collinear Removable Spring Antenna	690-960MHz, 1710-2700MHz, 3.5-3.7GHz	7.5dBi	SMA Plug	1220
024579RK	Cellular 5G Twin Mobile Collinear Removable Spring Mounted Antenna Kit	690-960MHz, 1710-2700MHz, 3.5-3.7GHz	3 & 7.5 dBi	SMA Plug	1220 / 420
024581RK	XTREME Cellular Ultra Rugged Twin Mobile Collinear Removable Spring Mounted Antenna Kit	690-960MHz, 1710-2700MHz, 3.5-3.7GHz	3 & 6 dBi	SMA Plug	917 / 605



024584

617-960MHz, 1710-2700MHz, 3.5-6.0GHz



024563

695-960MHz, 1710-2700MHz, 3.5-3.8MHz



024573

690-960MHz, 1710-2700MHz, 3.5-3.7GHz



024575

690-960MHz, 1710-2700MHz, 3.5-3.7GHz



024575R

690-960MHz, 1710-2700MHz, 3.5-3.7GHz



024579

690-960MHz, 1710-2700MHz, 3.5-3.7GHz



024579R

690-960MHz, 1710-2700MHz, 3.5-3.7GHz



024579RK

690-960MHz, 1710-2700MHz, 3.5-3.7GHz



024581RK

690-960MHz, 1710-2700MHz, 3.5-3.7GHz

COMPOSITE BAND ANTENNAS

SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	LENGTH (MM)
029327	Wi-Fi & Active GPS Glass Mount Antenna	2.4-2.5GHz	2.1 dBi	QMA Plug	198
02942051P	6 Band Shark Fin Antenna 2 x 5G, 2 x Wi-Fi, 2 x GPS/GNSS	617-960MHz, 1710-3800MHz 2.4-2.5GHz, 5.0-6.0GHz	4 - 6dBi	SMA Plug	173
02942052M	8 Band Low Profile Surface Antenna 2 x 5G, 4 x Wi-Fi, 2 x GPS/GNSS	617-960MHz, 1710-3800MHz 2.4-2.5GHz, 4.9-6.0GHz	3 - 5dBi	SMA Plug	300
024561M2	Panel Mounted Low Profile 2x2 MiMo 5G Antenna	695-960MHz, 1710-2700MHz, 3.5-3.8MHz	2 - 3 dBi	SMA Plug	38 x 89 ø
0294212	10 Band Low Profile Antenna 4 x 5G, 4 x Wi-Fi, 2 x GNSS Filtered	617-960MHz, 1710-7200MHz 2.4-2.5GHz, 4.7-7.2GHz	4 - 6dBi	SMA Plug	265
0294211	10+1 Band Low Profile Antenna 4 x 5G, 4 x Wi-Fi, 2 x GNSS, 1 x Auxiliary Antenna	617-960MHz, 1710-7200MHz 2.4-2.5 GHz, 4.7-7.2GHz	4 - 6dBi	SMA Plug	265
029352N	Auxiliary - C Band N Plug Spring base (For 0294211) Mesh antenna	4.9-5.0GHz	8.85dBi	N Plug	440
02634N	Auxiliary - UHF Mobile ½ wave 20mm radome and spring - Fiberglass top. (For 0294211)	380-520MHz	2.1dBi	N Plug	345



029327

GPS & Wi-Fi 2.4-2.5GHz



617 - 960MHz, 1710 - 3800MHz
2.4 - 2.5GHz, 5.0 - 6.0GHz

02942051P



617 - 960MHz, 1710 - 3800MHz
2.4 - 2.5GHz, 4.9 - 6.0GHz

02942052M



695-960MHz, 1710-2700MHz,
3.5-3.8MHz

024561M2



617 - 960MHz, 1710 - 7200MHz
2.4 - 2.5 GHz, 4.7 - 7.2GHz

0294212



(Auxiliary Antenna Sold Separately)

617 - 960MHz, 1710 - 7200MHz
2.4 - 2.5 GHz, 4.7 - 7.2GHz

0294211



4.9-5.0GHz

029352N



380-520MHz

02634N

EXTREME ENVIRONMENTS

MINING ANTENNAS

SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	LENGTH (MM)
02515M4	Ultra Rugged VHF High Band ½ Wave GPI Mobile Antenna, M Base	148-174MHz	2.15dBi	UHF Plug	890
02634MC	UHF Ultra Rugged Mobile GPI Antenna, M Base	380-520MHz	2.15dBi	UHF Plug	320
029313H	Mining High Vibration S & C Dual Band Antenna	2.1-2.5GHz, 4.0-6.0GHz	3.0dBi	N Socket	231
02461H	High Vibration 5G Cellular Antenna	0.6-7.2GHz	2-3dBi	N Socket	396

RAIL ANTENNAS

SKU	DESCRIPTION	FREQUENCY	GAIN	TERMINATION	LENGTH (MM)
02628R	UHF Low Profile Rail Antenna	400-470MHz	2.15dBi	N Socket	296 x 161 x 68
02471R	5G Low Profile Glass Mount Antenna	690-960MHz, 1710-2700MHz	5-6dBi	N Socket	76 x 176 x 79
0294206R	4G & GPS Low Profile Glass Mount Antenna	690-960MHz, 1710-2700MHz	5-6.5dBi	N Socket	76 x 176 x 79



148-174MHz

02515M4



380-520MHz

02634MC



2.1-2.5GHz, 4.0-6.0GHz

029313H

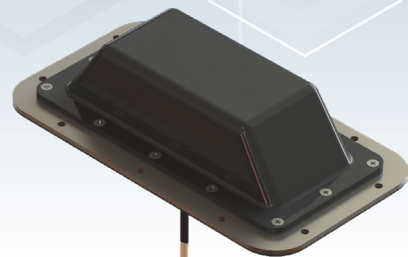
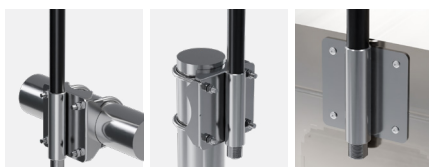


0.6-7.2GHz

02461H

Mounting Options

Vertical Round Member	25 - 63mm
Horizontal Round Member	25 - 63mm
Vertical Panel	4 hole plate



400-470MHz

02628R



690-960MHz, 1710-2700MHz

02471R



690-960MHz, 1710-2700MHz

0294206R

ACCESSORIES

VEHICLE BRACKETS

02714S	Fold-down Mobile Antenna Gutter Bracket		
02726S	Heavy Duty Mobile Gutter Bracket (6mm hole)		
02728	Mirror/Roof Antenna Bracket		
02730	Bracket BullBar Right Angle		
027303	Adjustable Lip Mount Mobile Antenna Bracket		
Wrap Around Antenna Brackets			
027313	027314	027315	027316
45mm	50mm	63mm	76mm
02732	Heavy Duty Bull Bar Antenna Bracket		
027323	Heavy Duty Folding Bull Bar Bracket		
02734	Z Trunk Groove Antenna Bracket		
027423	Magnetic Suction Antenna Base		
02745	N Socket Roof Mounting Base 8GHz LMR240		
027425	Magnetic Base N Socket to TNC Socket 8GHz		
02740	AU Base 5/16" 26TPI Panel Mount to RG58 Cable		
02742	AU Base 5/16" 26TPI to UHF Socket		
04110L	M Base UHF Socket Panel Mount to RG58 Cable		
02795	AU Base 5/16" 26TPI to UHF Plug Adaptor		



02714S



02726S



02728



02730



027303



027313 / 027314
027315 / 027316



02732



027323



02734



027423



02745



027425



02740



02742



04110L



02795



02735



02737



025222



027281



02729

BASE & MARINE BRACKETS

02735	Marine 2 Way Knuckle Antenna Base 1" Thread
02737	Marine 2 Way Knuckle Antenna Base 1" Thread Stainless Steel
025222	Marine Flat Mounting Bracket with Cable Slot
027281	Base Antenna Wall Bracket (16mm x 223mm)
02729	Base Antenna Wall Bracket (16mm x 58mm)

CABLE ASSEMBLIES

10108A	3.6m RG58C/U Antenna UHF Base Lead with UHF Plug
10109	5m RG58C/U Antenna M Base Lead with FME Socket
10109S	5m RG58C/U Antenna M Base Lead with SMA Plug
96FR001	5m 6 Way RG58 Low-loss Cable Kit SMA Socket to SMA Plug/QMA Plug
96FR009	3m 6 Way RG58 Low-loss Cable Kit SMA Socket to SMA Plug/QMA Plug
96FR0010	1.5m 6 Way RG58 Low-loss Cable Kit SMA Socket to SMA Plug/QMA Plug



10108A



10109



10109S



96FR001



96FR009



96FR0010

10 Way and 11 Way Kits available on request

CABLES & CONNECTORS

COAXIAL CABLES

SKU	DESCRIPTION	IMAGE	CONSTRUCTION	DIAMETER (mm)	IMPEDANCE	SPOOL LENGTH
05602ABK	RG58C/U		Single Braid Shield, Solid PE Dielectric, Multistrand	4.95	50 Ω	100m
05603	RG58LL		Double Shield, Foam PE Dielectric, Multistrand	4.95	50 Ω	100m
056081	RG223 TPC		Double Shielded Ag Plated Outer, Ag Solid Centre (TPC)	4.95	50 Ω	100m
056082	RG223 SPC		Double Shielded Ag Plated Outer, Ag Solid Centre (SPC)	4.95	50 Ω	100m
056031	LL195		Double Shield, Foam PE Dielectric, Solid Centre	4.95	50 Ω	100m
056032	LL240		Double Shield, Foam PE Dielectric, Solid Centre	6.1	50 Ω	100m
05605	RG213		Single Braided Shield Coaxial	10.3	50 Ω	100m
056041	LL400		Double Shield Low Loss Coaxial	10.3	50 Ω	100m

CABLE ASSEMBLIES

04206	Np Crimp RG58/LL195/RG223
04209	Np LL400 Sprin Finger Crimp
04208	Np Crimp RG213/214
04221	Ns Crimp RG58 /LL195/RG223
04225	Ns Crimp Spring Finger LL400
04104	UHFp Screw/Solder
04106	UHFp Crimp RG58
041014	UHFp Clamp solder RG213
040013	SMAp Crimp RG58
040013R	SMAp RP Crimp RG58
040033	SMAs Crimp RG58
04Q013	QMAp Crimp RG58
04Q033	QMAs Crimp RG58
04311	BNCp Crimp RG58
04166	TNCp Crimp RG58
040113	Mini-UHF crimp plug to RG58
04281	UHFp to UHFp
04282	N plug to UHFp
04372	UHFp to BNCs
101101	QMA Plug to Mini-UHF Socket Adaptor Lead



A much larger, extensive range of Cables & Connectors are available. Please contact our sales team for more information.

NOTES



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