



ZAS-390

Omnidirectional broadband VHF & UHF discone antenna VHF & UHF 225-400 MHz



The ZAS-390 broadband MIL-SPEC discone provides an omnidirectional radiation pattern, low VSWR and genuine broadband coverage for both transmit and receive across the full VHF & UHF frequency band 225-400 MHz.

The compact and robust design of the ZAS-390 is suitable for both commercial and military applications in all environments.

Alternate mounting arrangements, coaxial feeder cable, connectors and other installation accessories are all available separately.

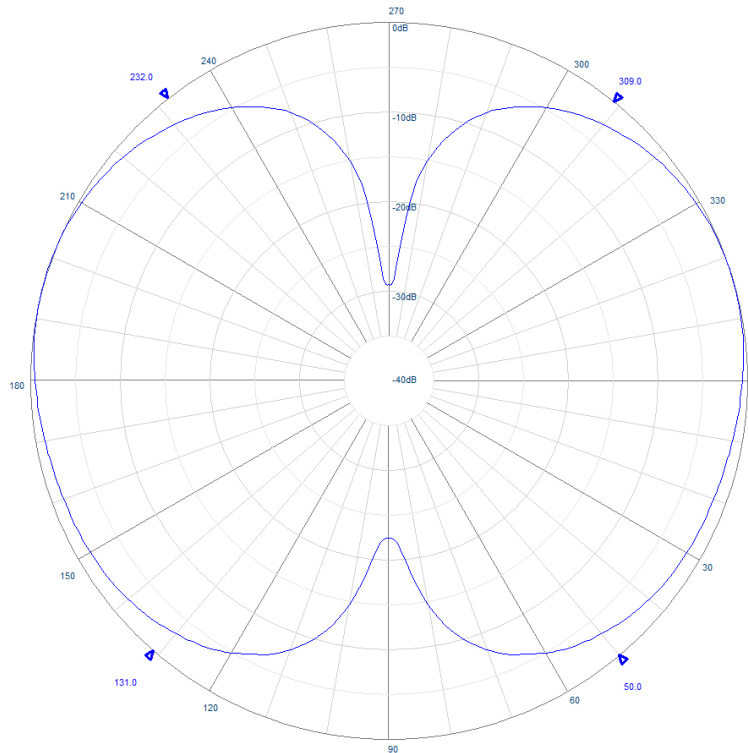
Construction	Dune painted corrosion resistant 6061-T6 aluminium components and PTFE insulator - other colour/finish options available, consult ZCG.
Frequency range	225-400 MHz - VHF and UHF
Bandwidth	Full frequency range stated - 175 MHz
VSWR	<1.8:1
Tuning	Factory
Gain	2.1 dBi
Max input power	500 Watts
Impedance	50 Ohms
DC grounding	Yes
Polarisation	Vertical
H Plane	360° omnidirectional, ± 0.5 dBd
E Plane	95-101° ± 1 dBd
Connector	N-type female in base of antenna
Height	415mm
Radial Footprint	605mm
Weight	1.55kg
Projected area	0.061m ²
Wind load at 160kph	7.398kg, 0.072kN
Mounting section	Detachable 1.0m pole with 2 x 60-110mm capability U-bolts supplied
Temperature rating	-40°C to +80°C



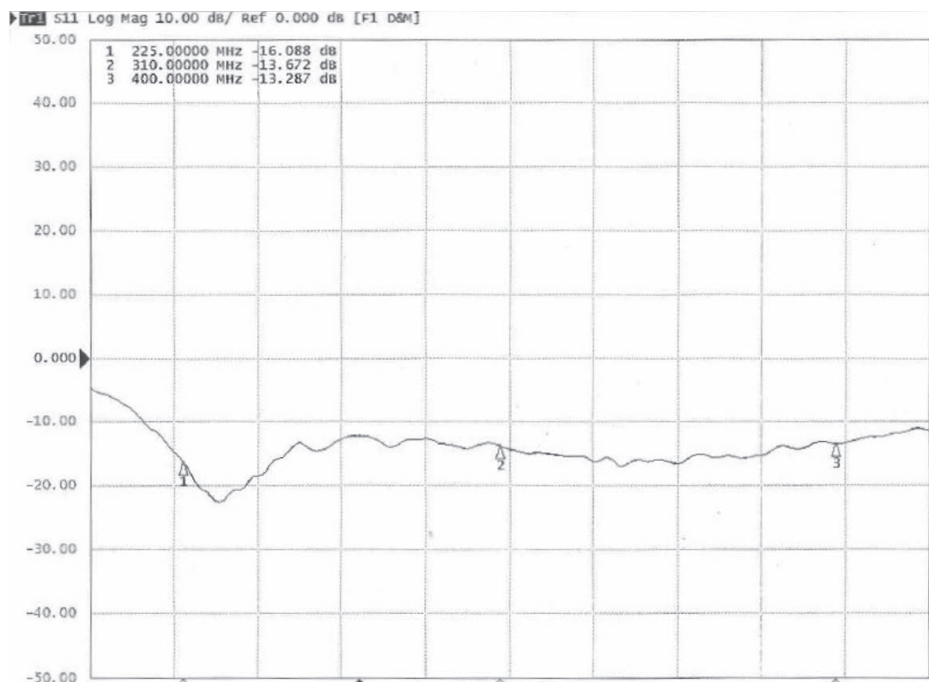


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Example radiation pattern at 310 MHz



Typical VSWR




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Alternate mounting hardware



SKU: EB1-SS
2 units recommended
304 stainless steel parallel clamp
Boom: 20-40mm capability
Mount pole: 25-45mm capability



SKU: UB3-SS
304 stainless steel parallel clamp
Boom: 20-32mm capability
Mount pole: 20-50mm capability



SKU: RB8
2 units recommended
Galvanised steel right-angle clamp
Boom: 20-50mm capability
Mount pole: 20-50mm capability



SKU: UB2-SS
304 stainless steel right-angle clamp
Boom: 20-50mm capability
Mount pole: 20-50mm capability

Suitable feeder coaxial cable and connectors



SKU: 7890
RU400 Solid copper conductor, low loss coaxial cable
CNT-400 / LMR-400™ equivalent
(* times microwave)
SKU: 7890-3 - RU400-UF ultra flexible
Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly



SKU: NM-8226
N-type male crimp connector for RU400 low loss, solid conductor
Tri-metal plated



SKU: 7890-3
RU600 Solid copper conductor, low loss coaxial cable
LMR-600™ equivalent
(* times microwave)
Available in 500m roll or alternatively request a custom cable assembly



SKU: NM-8226-2
N-type male crimp connector for RU600 low loss, solid conductor
Tri-metal plated



SKU: ZCG1250SF
1/2" super flexible helical shielded, foam dielectric coaxial cable
Available in per metre, 500m roll or alternatively request a custom cable assembly



SKU: NM1250SF
N-type male clamp connector for 1/2" super flexible, helical shielded coaxial cable
Tri-metal plated



SKU: ZCG1250
1/2" corrugated shielding, foam dielectric coaxial cable
SKU: ZCG1250-A Air-dielectric
Available in per metre, 500m roll or alternatively request a custom cable assembly



SKU: NM1250
N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable
Tri-metal plated