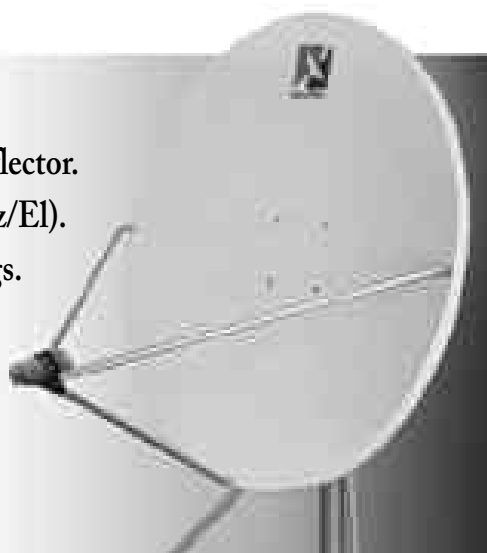




TYPE 100

1.0m RECEIVE-ONLY OFFSET ANTENNA SYSTEM

- ◆ Available as a fully integrated system with Cambridge LNB.
- ◆ One-piece thermoset-moulded offset reflector.
- ◆ Single bolt fine elevation adjustment (Az/El).
- ◆ Galvanised 20mm O.D. feed support legs.
- ◆ Factory pre-assembled mount.
- ◆ Cadmium-plated hardware for maximum corrosion resistance.
- ◆ Available with a wide variety of Ku-Band feed options.



The Channel Master® Type 100 Offset Antenna is a rugged commercial grade product suitable for the most demanding applications. The reflector is thermoset-moulded for strength and surface accuracy. Moulded into the rear of the reflector is a network of support ribs which not only strengthens the antenna, but also helps to sustain its critical parabolic shape.

The Az/El mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. The Az/El mount secures the antenna to either a 60mm or 76mm O.D. mast and prevents slippage in high winds. A specially formulated powder paint process offers excellent protection from weather-related corrosion.

SPECIFICATIONS

RF PERFORMANCE

EFFECTIVE APERTURE:	1.0m
OPERATING FREQUENCY:	10.70 - 12.75 GHz
POLARISATION:	Linear/Circular
GAIN @ 11.95 GHz:	40.5 dBi (typical)
3 dB BEAMWIDTH:	2.0°
ANTENNA NOISE TEMPERATURE @ 30° ELEVATION:	25°K (typical)
VSWR (MAX.):	1.3:1

CROSS-POLARISATION DISCRIMINATION (LINEAR):	>30 dB on axis
FEED CLAMP DIAMETER:	40mm

MECHANICAL PERFORMANCE

REFLECTOR MATERIAL:	Glass fiber reinforced polyester
ANTENNA OPTICS:	One-piece offset
MOUNT TYPE:	Az/El or Pole or Polar
ELEVATION ADJUSTMENT RANGE:	10°-70° Continuous fine adjustment (Az/El)
AZIMUTH ADJUSTMENT RANGE:	360° Continuous
MAST PIPE INTERFACE:	60mm or 76mm (Az/El)/Pole Mount (50mm-76mm)/Polar (76mm)
WIND LOADING:	80 km/h operational 200 km/h survival
REFLECTOR SIZE:	101cm x 110cm
TEMPERATURE:	-50°C to 80°C
HUMIDITY:	0 to 100% (condensing)
ATMOSPHERE:	Salt, pollutants and contaminants as encountered in coastal and industrial areas
SOLAR RADIATION:	360 BTU/h/ft ²
SHOCK AND VIBRATION:	As encountered during shipping and handling

Specifications subject to change without notice.

ANTENNA

Expertise in Design and Innovation

TYPE 100

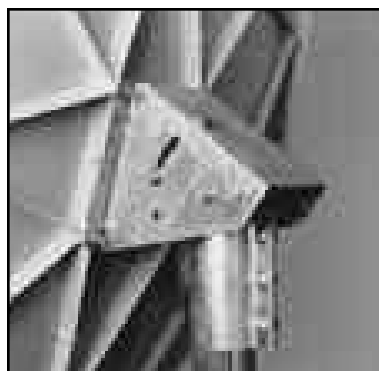
1.0m RECEIVE-ONLY OFFSET ANTENNA SYSTEM



***Polar Mount (Optional) (76mm)
Model 6033/02***



***Pole Mount (Pre-Galv) (50mm-76mm)
Model 6023/02 (Galv)***



***Az/El Mount (Optional)
(Galv) (76mm)
Model 6031/05***



***Multifeed (Optional)
Model 6067/01***



***40mm Block
(23mm Insert Optional)***

WEIGHTS/DIMENSIONS

Model 6020/01	10.4kg (110 x 15 x 106cm)
Model 6033/02	6.6kg (41 x 34 x 19cm)
Model 6031/05	5kg (21 x 21 x 30cm)
Model 6023/02	3kg (24 x 21 x 14cm)
Model 6067/01	1.4kg (34 x 13 x 60cm)



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