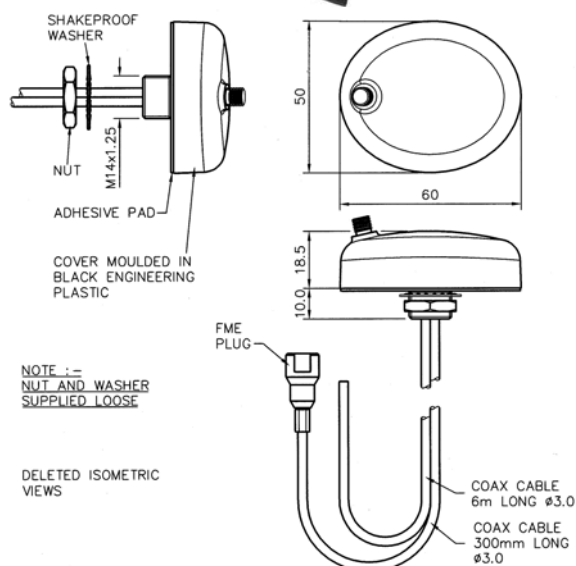


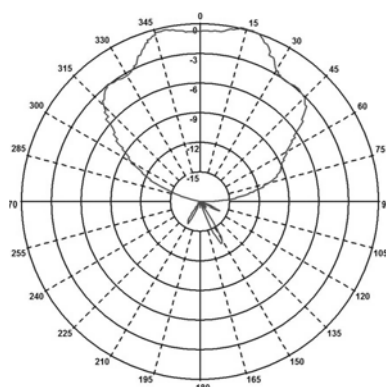
Tetra & GPS Antenna

Motorola Part No. GMAE4290A 380 - 430MHz

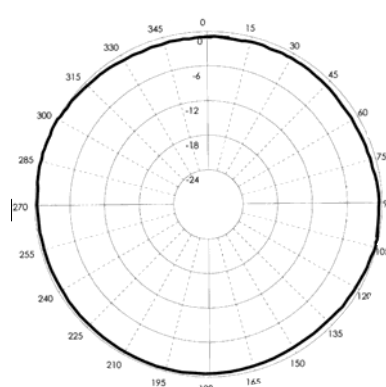


GPS	
VSWR	<2.0:1 @ 1575 MHz +/- 4MHz
Impedance	50 Ohms
LNA Gain	26 dB
Polarisation	Right Hand Circular
Operating Voltage	3 - 7V DC (fed via coax)
Current (Typical)	14 mA
Connector	FME Socket on 300mm long, 2.5mm diameter coaxial cable
Tetra Antenna	
RF Connector	FME Plug on 300mm long, 2.5mm diameter coaxial cable
Gain	0 dBd
Whip length	154
Frequency Range	380-430
General	
Dimensions (excluding auxillary whip)	Length-60mm Width-50mm Height-18mm
Colour	black
Mounting Hole	15mm
Mounting depth	14mm (max)

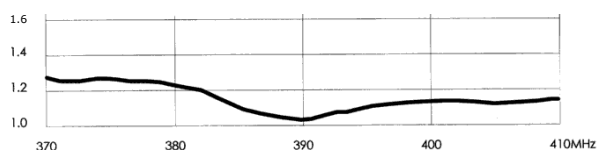
GPS



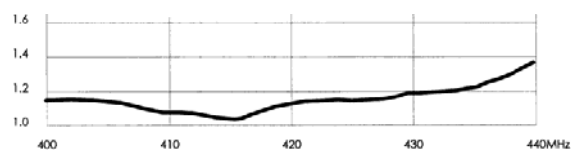
390/420 MHz

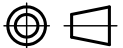


VSWR S1



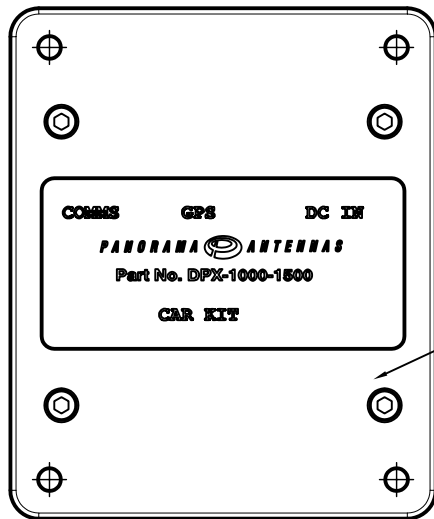
VSWR S2





GMAE4290A

DRG.
No.

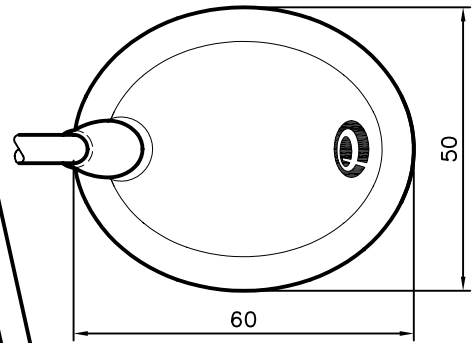


ENGINEERING
PLASTIC END
CAP - BLACK

FILTER UNIT

FREQUENCY RANGE

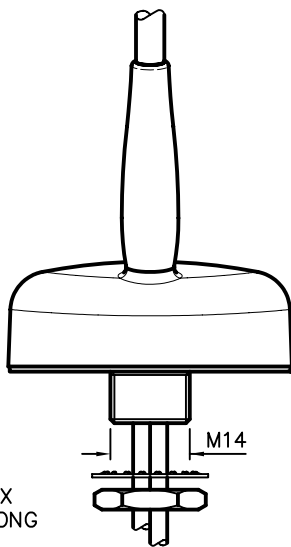
380-430MHz
AND GPS



FLEXIBLE ANTENNA
ELEMENT FINISHED
IN BLACK.

ANTENNA TERMINAL
MOULDED OVER IN
BLACK ENGINEERING
PLASTIC

COVER MOULDED IN
BLACK ENGINEERING
PLASTIC



ADHESIVE PAD

FME SOCKET
AND SHROUD

FME PLUG

ø5.0mm COAX
CABLE 5m LONG

WASHER
NUT

ø3.0mm COAX
CABLE 300mm
LONG

ø3.0mm COAX
CABLE 300mm
LONG - GPS

FME SOCKET
SUPPLIED
LOOSE

RG 174 COAX CABLE
6m LONG

FME SOCKET

RG 174 COAX CABLE
2.45m LONG

FME PLUG

RG 174 COAX CABLE
30cm LONG

FME SOCKET

ø5 COAX CABLE
1m LONG

FME SOCKET

FME SOCKET

FME SOCKET AND SHROUD

DENOTES LATEST
ISSUE CHANGES



01019	1	3.3.06	K.D.	TOLERANCES UNLESS OTHERWISE STATED		TITLE	
				0 DEC. PLACE ±0.5 2 DEC. PLACES ±0.1		PORTABLE VA 380-430MHz + GPS	
				1 DEC. PLACE ±0.2 ANGULAR ±1°		MATERIAL	
				DRAWN T.S.	DO.CHECK K.D.	FINISH	
				SCALE N.T.S.	DIMENSIONS IN mm		
C/NOTE	ISSUE	DATE	APPROVAL	FILE	GMAE4290A		