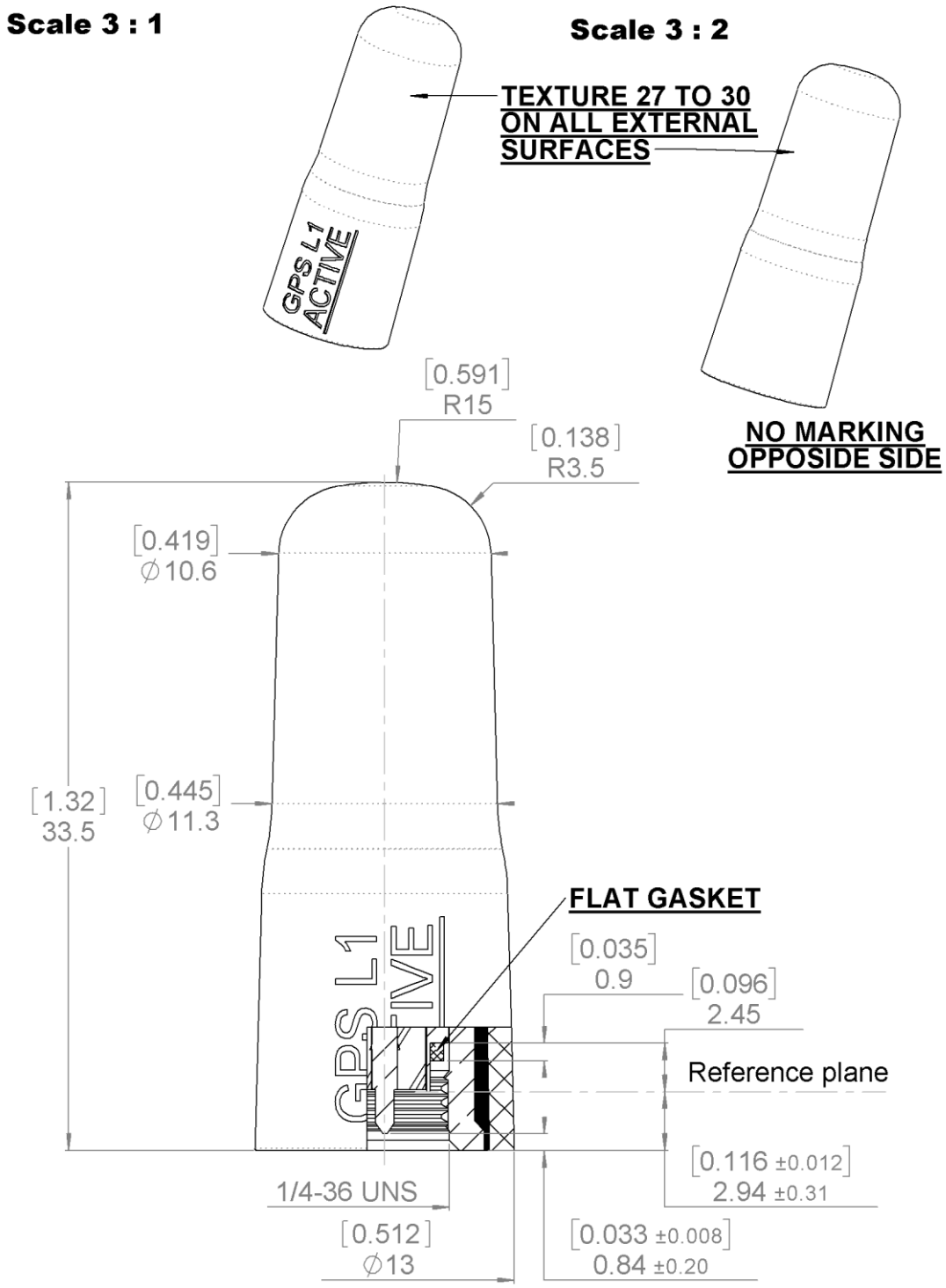
PAGE **1/2**	ISSUE **13-12-19C**	SERIES **ANTENNA**	PART NUMBER **R380300024**



All dimensions are in mm. Tolerances according ISO 2768 m-H

ELECTRICAL CHARACTERISTICS

Frequency :	**GPS L1 (1575.42)**	MHz
Nominal Impedance :	**50**	Ω
VSWR :	**2.5:1**	Max
Gain :	**19**	dBic min
Polarization :	**RHCP**	
Axial Ratio	**3**	dB typ
Radiation Pattern:	**Hemi-spherical**	
P1 dB compression :	**-12**	dBm
Noise Figure (LNA alone) :	**<1.7**	dB
Supply Voltage :	**3.3**	V typ.
	3.1	V min
	3.5	V max
Current consumption :	**8**	mA typ
	12	mA max
Connector type :	**Male SMA**	

MECHANICAL CHARACTERISTICS

Plastic radome :	**POLYCARBONATE**	
Color :	**BLACK**	
Texture :	**Charmille 27 to 30**	
Weight :	**8.71**	g
Overall length :	**33.5**	mm
Max Diameter	**ø13**	mm
RoHS Compliant:	**Yes**	

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	**-32/+55** **IAW MIL-STD-810G** **meth 501.5 & 502.5, proc II**	° C
Storage temperature :	**-55/+85** **IAW MIL-STD-810G** **meth 501.5 & 502.5, proc I**	° C
Temperature Shocks	**3 cycles -40/+70°C** **IAW MIL-STD-810G** **meth 503.5 , proc I**	
Altitude :	**40,000** **IAW MIL-STD-810G** **meth 500.5, proc I**	ft
Humidity :	**Induced Hot Humid** **IAW MIL-STD-810G** **meth 507.5, proc II**	
Immersion (mated to radio)	**1m, for 2h** **IAW MIL-STD-810G** **meth 512.5, proc I**	
Salt Fog :	**96h** **(4x24h alterning wet & dry)** **IAW MIL-STD-810G** **meth 509.5**	
Solar Radiation:	**10 cycles, 20/4h sun/dark** **IAW MIL-STD-810G** **meth 505.5, proc II**	
Transit Shocks :	**26 drops from 1.2m high** **IAW MIL-STD-810G** **meth 516.6, proc IV**	
Fluid Contamination	**Table 504.1-II** **MIL-STD-810G** **Meth 504.1, proc II**	

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