Technical Data Sheet

VEHICULAR ANTENNA 2.4 - 6 GHZ - 80W



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PAGE 2/3	ISSUE 28-04-17A	SERIES ANTENNA		PART NUMBI	ER R380990020	
	De			Motor	ial	
D	Padama			Waterial Polycarbopato Black Matt		
Antenna Rase				Aluminum Black		
Base Body			Aluminum, Black			
Connector bodies Insulators			Brass, Black Cr.			
			PTFE			
Central Contacts			Brass, Ni2Au1.3			
Coaxial Cable				Specially developed	5/50Ω coax	
The R38 the Tubular Rador electrical performa	80.990.020 antenna is ar ne. The R380.990.020 is ances.	80W, Dipolar Des a Ground plane Ind <u>ELECT</u>	ign, Broa depende RICAL C	adband Vehicular Antenna. The l nt Antenna that can be Mast-Mo CHARACTERISTICS	Phase-Center is located close unted without particular impa	e to the top of ct on
Frequency :			2.4-6	GHz		
Nominal Impedance :			50	Ω		
VSWR :			2.5:1	мах Тур.		
Polarization : Radiation Pattern :				VERTICAL OMNIDIRECTIONAL		
Ripple in Azimuth Plane : Power withstanding :				3 80	dB max W CW	
Connector (Antenna side) : Connector (NATO Base) :				Custom N Female		
Gain (1.2 x 1.2 m ground plane) : Gain in Azimuth plane (1.2 x 1.2 m ground plane) :			2 1.5 ± 2	dBi (typ.) dBi		
Resistor:			15	ΚΩ		
MECHANICAL CHARACTERISTICS				ENVIRONME	NTAL CHARACTERISTICS	
Radome material Finish :	: POI	YCARBONATE Black, Matt		Operating temperature :	-55/- IAW MIL-STD 81	⊧71 °C 0G
Weight :		1	Kg	Storage & transport temperature :	meth. 501.5 & 502.5, pro -55/- IAW MIL-STD 81	c॥ ⊩85 °C 0G
Antenna length (with Elastomer ba	ase) :	~ 400	mm	Fluid contamination :	meth. 501.5 & 502.5, pro IAW MIL-STD 81 meth. 50	oc I 0G 4.1
Antenna diameter	r:	~ 25	mm	Immersion :		2h
"Oak" Beam Test	k" Beam Test : 25 Times @ 40 km/h @ 0.55 m			Salt spray : 96 h		ocl 6 h
Wind loading :	> 56 m/s			IAW MIL-STD 810G,meth.509.4 4 cycles of 24h (2 wet and 2 dry alternatively)		
				Vibration :	AW MIL-STD 810G,meth.514.6 proc I, cat.20 (Track & wheeled vehicules)	
			Shocks :	IAW MIL-STD 810G,meth.51	es) 6.6 & V	
				Solar radiation :	IAW MIL-STD 81 meth. 505.5, proc II, des	0G sert
				Sand & Dust :	conditio IAW MIL-STD 810G,meth.51 proc I	ons 0.5 & II

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Wind speed :

>56 m/s

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