



Antenna Bend Position

Parameter	Performance						
TE Part Number	DBA6171C1-BSMAM						
Frequency Bands, MHz	617-698	698-960	1427-1606	1710-2200	2300-2700	3300-4200	5150-6000
Peak Gain, dBi (Average)	-0.3	0.2	0.6	0.8	1.4	2.8	3.0
Peak Gain, dBi	0.0	1.0	1.0	2.1	2.1	3.9	4.4
Total Efficiency (Average, %)	51%	49%	59%	53%	74%	56%	65%
Total Efficiency (Average, dB)	-3.0	-3.1	-2.3	-2.7	-1.3	-2.5	-1.9
Polarization	Linear, Vertical						
VSWR (Average)	<1.9	<1.7	<1.7	<2.2	<1.7	<1.9	<1.8
VSWR (Max)	<2.5	<2.0	<3.5	<2.5	<2.3	<2.3	<2.3
Azimuth Beam Width	360°, Omnidirectional						
Nominal Impedance	50 Ohm						
Input Power, Max	5 Watts						
Weight	30g						
Radome	Polycarbonate, UV						
Color	Black						
Operating Temperature	-40°C ~ +85°C						
Storage Temperature	-40°C ~ +85°C						
Wind Rating (Survival)	N/A						
Ingression Protection	N/A						
RoHS Compliance	Yes						
RF Connector	SMA Male						

*Note: Measured at 0° bend position

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN CY HANG	09MAY22			NAME DIPOLE, SMAM, BLK, ARTICULA 617-7125MHz, TE, INDOOR	
DIMENSIONS: mm		CHK WT NG	09MAY22				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KM LIM	09MAY22	PRODUCT SPEC		RESTRICTED TO	
0 PLC ± 0.5 1 PLC ± 0.25 2 PLC ± 0.13 3 PLC ± 4 PLC ± ANGLES ± 30°		APPLICATION SPEC		DRAWING NO		-	
MATERIAL		WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
FINISH		g		A3	00779	DBA6171C1-BSMAM	-
CUSTOMER DRAWING				SCALE	1:1	SHEET	1 OF 1
				REV	A		