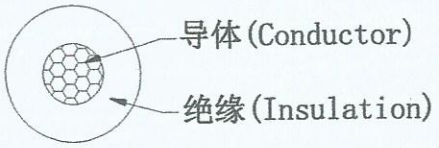
天 线 规 格 书

结构项目 CONSTRUCTION ITEM			
导体 CONDUCTOR	结构规格 SPECIFICATION	AWG/mm²	19/0.185±0.008　　20AWG
	材质 MATERIAL		镀锡铜(Tinned Copper)
	绞向/绞距 LAY DIRECTION	mm	S/≤32
	外径 OD	mm	0.93±0.08
绝缘 INSULATION	材质 MATERIAL		FEP
	平均厚度 AVG THICKNESS OF INSU	mm	0.31
	最小厚度 MIN THICKNESS OF INSU	mm	0.26
	颜色 COLOR		根据客户要求制作 (According Customer Requirements)
	完成外径 OVER DIAM	mm	1.55±0.08
填充物 FILLER	材质 MATERIAL		/
	结构规格 SPECIFICATION	mm	/
	颜色 COLOR		/
包带 TAPE	材质 MATERIAL		/
	结构规格 SPECIFICATION	mm	/
	遮蔽率 SHIELD COVERING	%	/
编织 BRAID	材质 MATERIAL		/
	结构规格 SPECIFICATION		/
	遮蔽率 SHIELD COVERING	%	/
外被 JACKET	材质 MATERIAL		/
	平均厚度 AVG THICKNESS OF INSU	mm	/
	最小厚度 MIN THICKNESS OF INSU	mm	/
	颜色 COLOR		/
	完成外径 OVER DIAM	mm	/
印字 MARKING	印字内容 MARKING CONTENT	/	

物理性能 PHYSICAL CHARACTERISTICS	
项目 ITEM	标准 STANDARD
额定温度 NOMINAL TEMPERATURE	/
额定电压　NOMINAL VOLTAGE	/
火花测试电压 SPARK TESTING　VOLTAGE	3KV

截面图 SECTION



This is a quarter wave antenna. It is bent into an L-shape. The shorter side is connected to earth. The longer side is left open circuit at the end. The feed point is located somewhere between the earth end and the open end. The resulting structure resembles the letter F and possesses the properties of both a loop antenna due to the circulating current from the feed point to ground and a whip antenna due to the open circuited straight section.

In the PCB version the antenna is printed on the top layer and a ground plane is placed near the antenna on the top layer. There must not be a ground plane underneath the antenna. The aim is to make the quarter wave section resonate at mid band frequency. The feed point (which is the input/output connection) is connected to the L-Shape at the point corresponding to 50W. Experiment with measurement to determine correct location for the feed point and length of this antenna.

Operating Temperature:	-20°C ~ +65°C	Return Loss:	-10dB max
Storage Temperature:	-30°C ~ +75°C	Certain Direction:	0 min
Gain (max):	0dBi