

LMR300, QD™ 50 Ohm Braided Coaxial Cable, black PE jacket



材料构成--Construction Materials		
Jacket Color	Black	
Jacket Material	Non-halogenated PE	
Braid Material	Tinned copper	
Shield Tape Material	Aluminum	
Dielectric Material	Foam PE	
Inner Conductor Material	Copper wire	
标注尺寸--Dimensions		
Diameter Over Dielectric	4.830 mm 0.190 in	
Diameter Over Jacket	7.620 mm 0.300 in	
Inner Conductor OD	1.780 mm 0.070 in	
Nominal Size	0.300 in	
Outer Conductor OD	5.660 mm 0.223 in	
电气特性--Electrical Specifications		
Cable Impedance	50 ohm	
Capacitance	80 pF/m 25 pF/ft	
dc Resistance, Inner Conductor	6.960 ohms/km 2.120 ohms/kft	
dc Resistance, Outer Conductor	7.980 ohms/km 2.430 ohms/kft	
dc Test Voltage	2500 V	
Jacket Spark Test Voltage (rms)	5000 V	
Maximum Frequency	24.50 GHz	
Operating Frequency Band	30 – 6000 MHz	
Peak Power	10.0 kW	
Shielding Effectiveness	>90 dB	
Velocity	0.83	
环境参数--Environmental Specifications		
Installation Temperature	-40 °C to +85 °C (-40 °F to +185 °F)	
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)	
Storage Temperature	-70 °C to +85 °C (-94 °F to +185 °F)	
一般特性--General Specifications		
Cable Type	LMR-300	
Braid Coverage	87% braid	
Brand	QD™	
Packaging Type	Reel	
物理特性--Mechanical Specifications		
Bending Moment	0.5 N-m 0.4 ft lb	
Flat Plate Crush Strength	0.5 kg/mm 30.0 lb/in	
Minimum Bend Radius, Single Bend	22.20 mm 0.88 in	
Tensile Strength	55 kg 120 lb	
频响特性--Performance		
Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	3.80	1.16
50 MHz	4.90	1.50
220 MHz	9.50	2.90
450 MHz	13.10	4.00
900 MHz	19.40	5.90
1500 MHz	25.30	7.70
1800 MHz	28.20	8.60
2000 MHz	29.80	9.10
2500 MHz	33.80	10.30
3000 MHz	37.40	11.40
4000 MHz	44.61	13.60
4500 MHz	47.75	14.55
5000 MHz	50.52	15.40
5200 MHz	51.83	15.80
5500 MHz	53.14	16.20
5800 MHz	54.78	16.70
6000 MHz	55.80	17.00
认证证书--Regulatory Compliance/Certifications		
Agency	Classification	
RoHS 2002/95/EC	Compliant	