

LMR240, 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	3.810 mm 0.150 in	
Diameter Over Jacket	6.100 mm 0.240 in	
Inner Conductor OD	1.420 mm 0.056 in	
Nominal Size	0.240 in	
Outer Conductor OD	4.520 mm 0.178 in	
电气特性--Electrical Specifications		
Cable Impedance	50 ohm	
Capacitance	80 pF/m 24 pF/ft	
dc Resistance, Inner Conductor	10.830 ohms/km 3.300 ohms/kft	
dc Resistance, Outer Conductor	12.760 ohms/km 3.890 ohms/kft	
dc Test Voltage	2000 V	
Jacket Spark Test Voltage (rms)	5000 V	
Maximum Frequency	31.00 GHz	
Operating Frequency Band	30 – 6000 MHz	
Peak Power	5.6 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-240	
Braid Coverage	90% braid	
Brand	QD™	
Packaging Type	Reel	
物理特性--Mechanical Specifications		
Bending Moment	0.3 N-m 0.3 ft lb	
Flat Plate Crush Strength	0.4 kg/mm 20.0 lb/in	
Minimum Bend Radius, Single Bend	19.10 mm 0.75 in	
Tensile Strength	36 kg 80 lb	
频响特性--Performance		
Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	4.9	1.5
50 MHz	6.2	1.9
150 MHz	10.2	3.1
220 MHz	12.5	3.8
450 MHz	17.4	5.3
900 MHz	24.9	7.6
1500 MHz	32.8	10
1800 MHz	36.4	11.1
2000 MHz	38.7	11.8
2400 MHz	42.98	13.1
2500 MHz	44	13.4
3000 MHz	48.9	14.9
4000 MHz	57.74	17.6
4500 MHz	62.01	18.9
5000 MHz	66.27	20.2
5200 MHz	67.91	20.7
5500 MHz	70.21	21.4
5800 MHz	72.51	22.1
6000 MHz	73.82	22.5
认证证书--Regulatory Compliance/Certifications		
Agency	Classification	
RoHS 2002/95/EC	Compliant	