Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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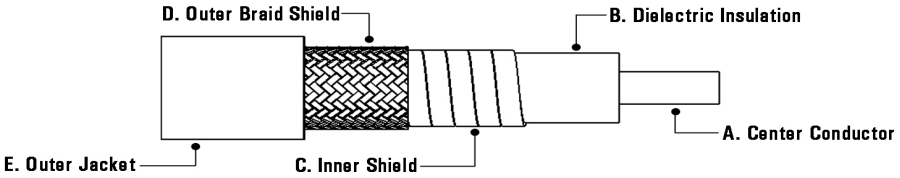
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

TEMP-FLEX
a molex company

Low Loss Microwave Coax

Part Number: 1000671141



Construction / Mechanical Specification

Section	Material	Dimensions	
A. Center Conductor	Silver Plated Copper (ASTM B298)	0.0359 in	0.9119 mm
B. Dielectric Insulation	PFA (High Purity)	0.1170 in	2.972 mm
C. Inner Shield	Silver Plated Copper (ASTM B298)	N/A	N/A
D. Outer Braid Shield	Silver Plated Copper (ASTM B298)	0.138 in	3.505 mm
E. Outer Jacket	FEP (MIL-DTL-17, Type IX)	0.158 in	4.013 mm

Minimum Static Bend Radius (<0.5Ω)	0.50 in	12.70 mm
Cable Weight[1]	28.0 lbs/kft	41.67 kg/km
Material Flammability Rating	V-0 (UL 1354)	
Operating Temperature	-85°F - 329°F	-65°C - 165°C

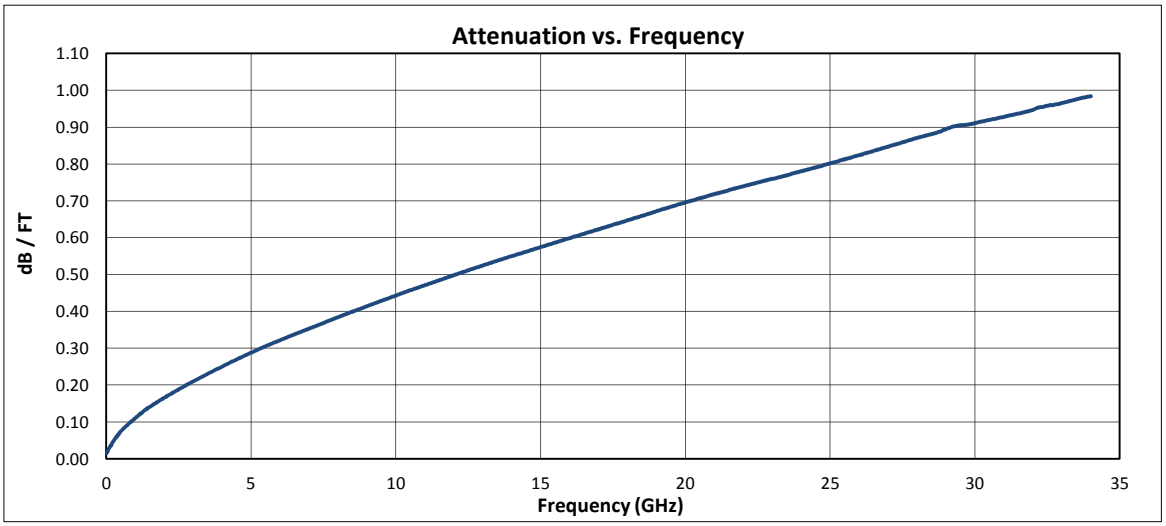
Electrical Specification

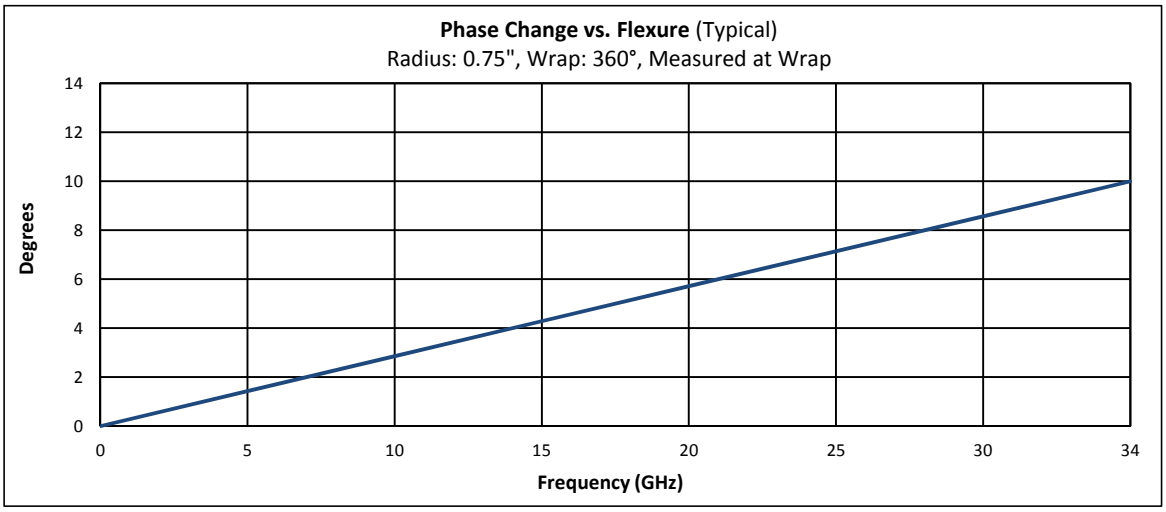
Characteristic Impedance	50 Ω ± 1 Ω	
Time Delay	1.450 ± 0.010 ns/ft	4.757 ± 0.033 ns/m
Velocity of Propagation[1]	70.0%	
Capacitance[1]	29.0 pF/ft	95.1 pF/m
Cut off Frequency[1]	34 GHz	
Shielding Effectiveness (Static)[1]	>100 dB	

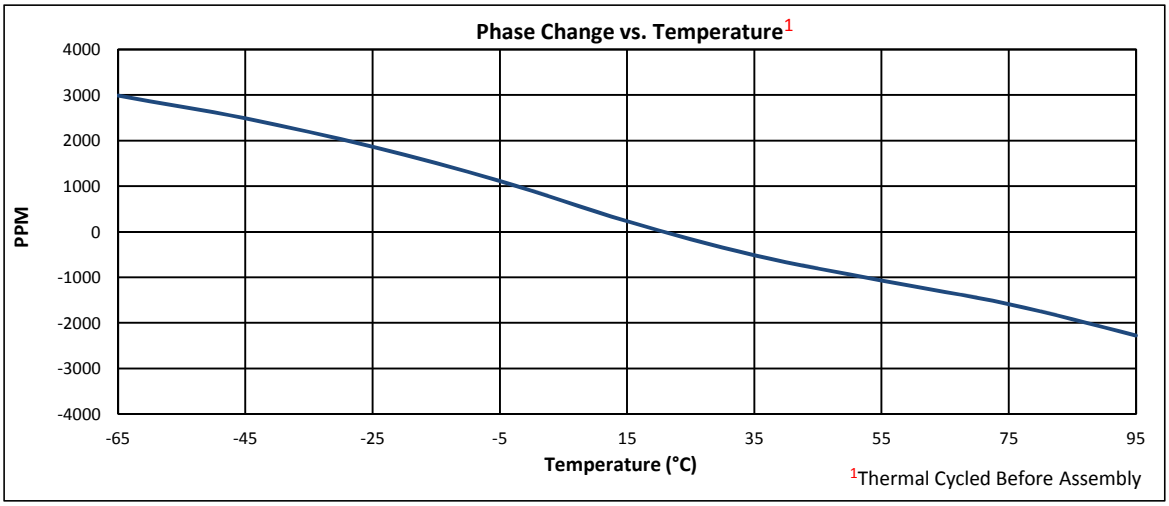
[1] Typical/Nominal Values

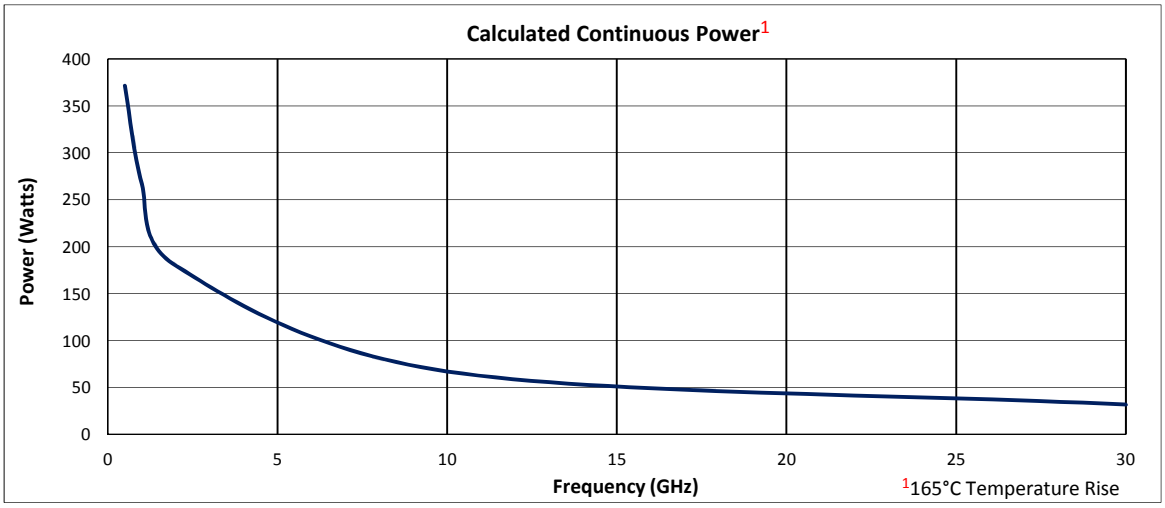
Attenuation vs. Frequency

Frequency (GHz)	(dB / ft)	(dB / m)
1	0.11	0.36
4	0.25	0.82
8	0.39	1.28
12	0.50	1.64
18	0.66	2.17
26	0.85	2.79
34	0.97	3.18




Phase Change vs. Flexure (Typical)
Radius: 0.75", Wrap: 360°, Measured at Wrap
Degrees
14
12
10
8
6
4
2
0
0
5
10
15
20
25
30
34
Frequency (GHz)


Phase Change vs. Temperature[1]
PPM
4000
3000
2000
1000
0
-1000
-2000
-3000
-4000
-65
-45
-25
-5
15
35
55
75
95
Temperature (°C)
[1]Thermal Cycled Before Assembly


Calculated Continuous Power[1]
Power (Watts)
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
30
Frequency (GHz)
[1]165°C Temperature Rise