

PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
D	DCN 50596	03/21	SEE PDM
E	DCN 51157	11/21	
F	DCN 52591	05/23	

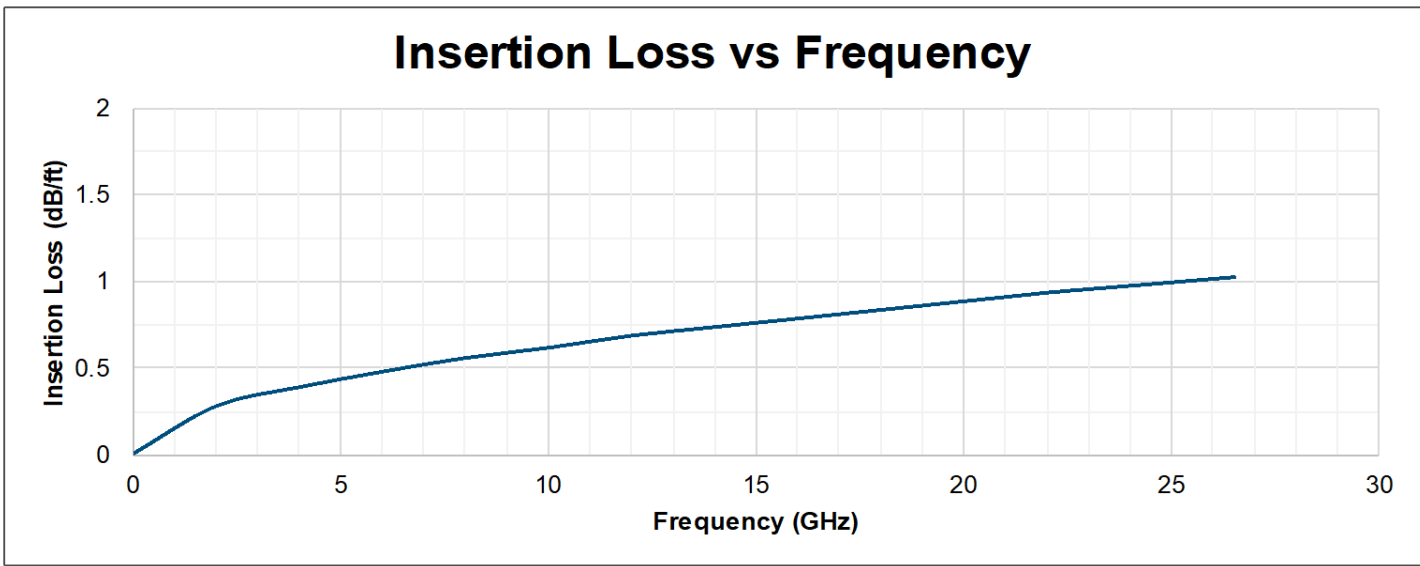


Physical Properties			
Section	Material	Dimensions	
Center Conductor	Silver Plated Copper	0.0201 in	0.51 mm
Dielectric	Microporous PTFE	0.056 in	1.42 mm
Inner Shield	Silver Plated Copper	0.063 in	1.60 mm
Outer Shield	Silver Plated Copper	0.077 in	1.96 mm
Outer Jacket	FEP	0.087 in	2.21 mm

Electrical Properties		
Characteristic Impedance	50 ohm nominal	
Frequency Range	DC - 26.5 GHz	
Propagation Delay	1.24 ns/ft nominal	4.07 ns/m nominal
Velocity of Propagation	80% nominal	
Capacitance	24.6 pf/ft nominal	80.7 pf/m nominal
Shielding Effectiveness	> 90dB	
Insertion Loss (dB/100ft)	0.611xsqrt(F) + 0.0001356xF (Frequency in MHz)	

Mechanical Properties		
Minimum Inside Bend Radius	0.125 in	3.2 mm
Cable Weight	4.54 grams/ft	14.9 grams/meter
Operating Temperature	-67°F to +302°F	-55°C to +150°C

Insertion Loss vs Frequency		
Frequency (GHz)	dB/ft	dB/m
1	0.19	0.62
4	0.39	1.28
8	0.56	1.84
10	0.62	2.03
12	0.69	2.26
18	0.84	2.76
26.5	1.03	3.38

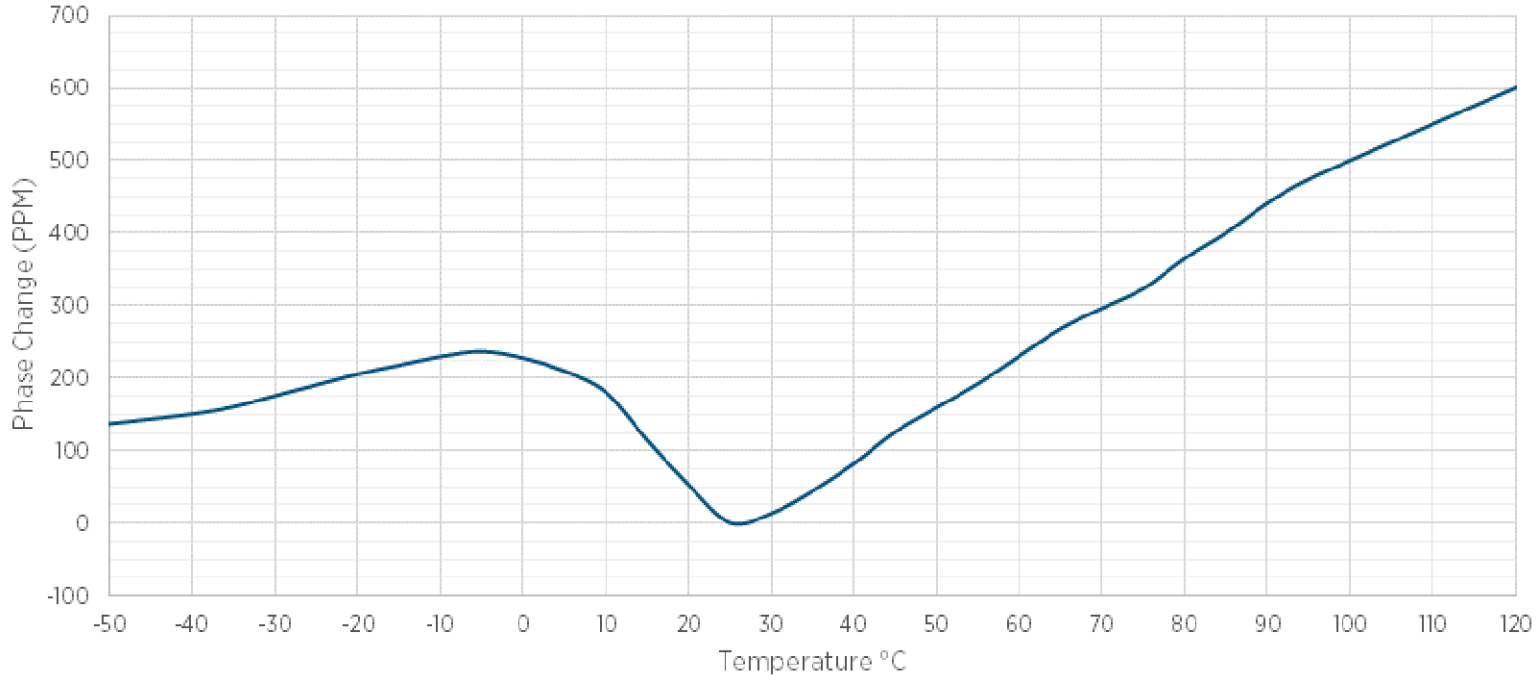


ELECTRICAL PERFORMANCE:
 CUT-OFF FREQUENCY: 65.0 GHz

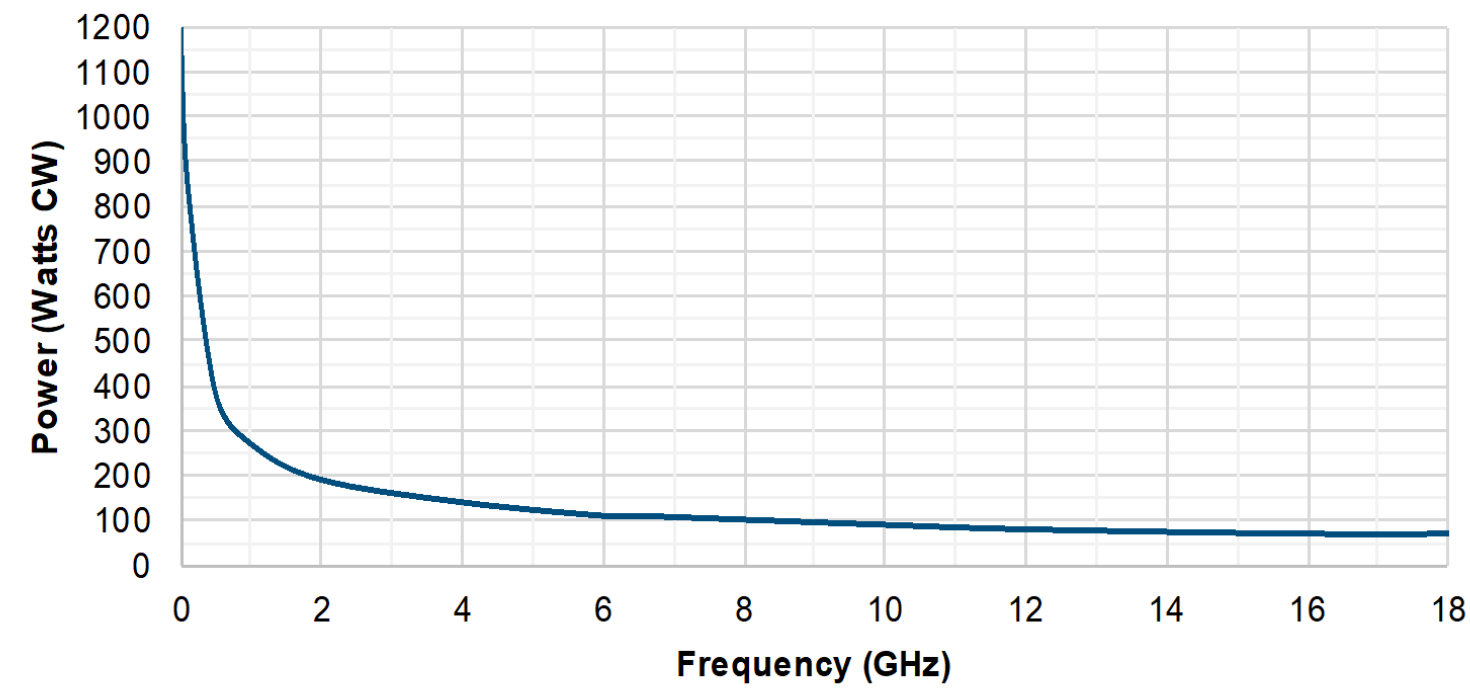
MATERIAL:	SEE NOTES	DIMENSIONS ARE IN INCHES TOLERANCES:	UNLESS OTHERWISE SPECIFIED	 www.svmicrowave.com
FINISH:	SEE NOTES	FRACTIONAL: ±1/64 ANGULAR: X° ±1'0"	1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) 2) ALL DIMENSIONS ARE AFTER PLATING. 3) BREAK CORNERS & EDGES .005 R. MAX. 4) CHAM. 1ST & LAST THREADS. 5) SURFACE ROUGHNESS 63-MIL-STD-10. 6) DIA: 'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R. 7) REMOVE ALL BURRS	TITLE:
SURFACE AREA:	N/A	DECIMAL: X ±.030 .XX ±.010 .XXX ±.005		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
PROPRIETARY		THIRD ANGLE PROJECTION	DRAWN: TMW 12/0417 CHECKED: SEE PDM APPROVED: SEE PDM	SIZE DWG. NO. B 200-70-363 SCALE: 16:1 SHEET 1 OF 2

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
	SEE SHEET 1		

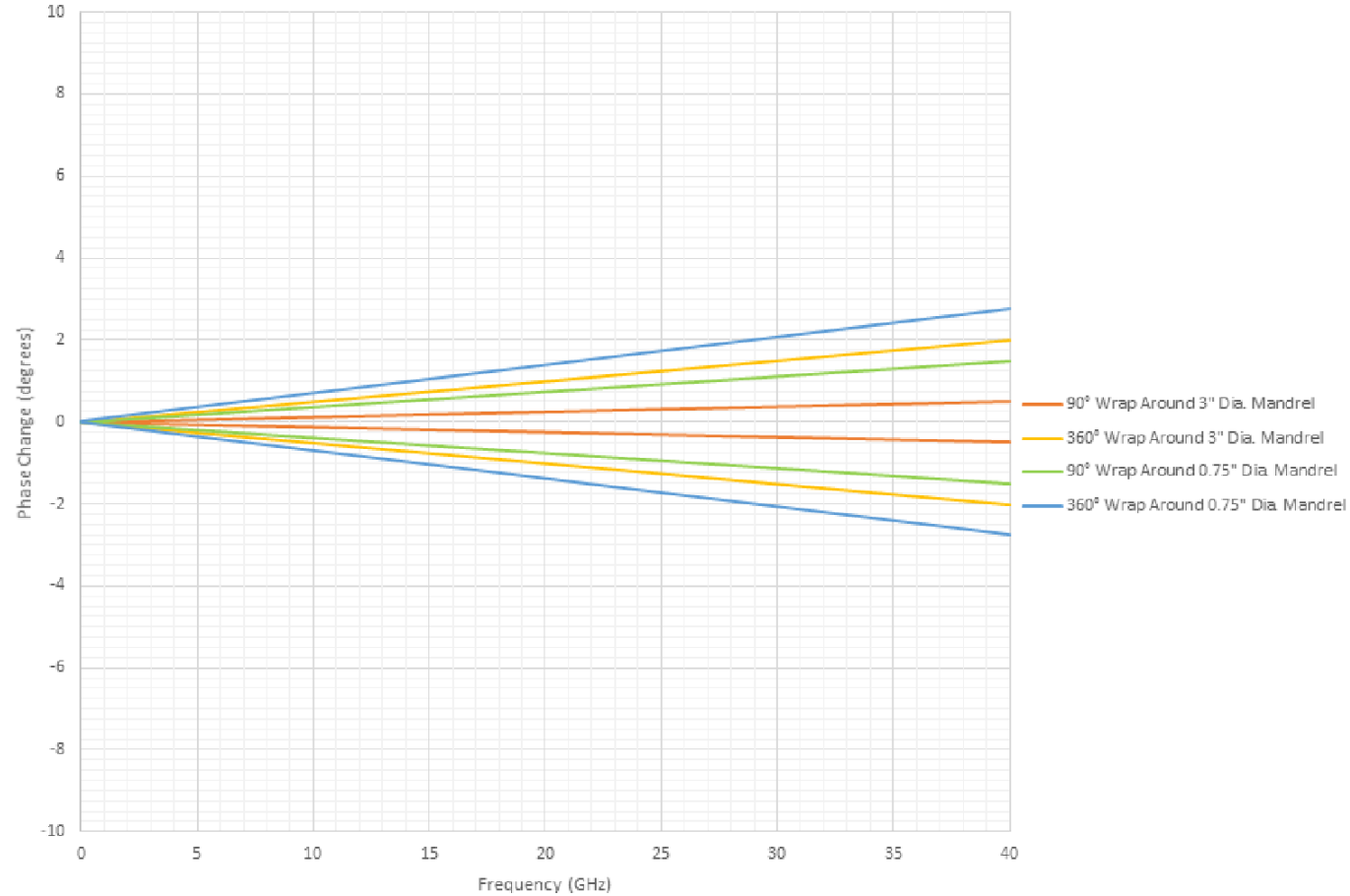
Phase Stability vs. Temperature (Typical)



Power Handling vs Frequency



Typical Phase Change with Flexure



MATERIAL: SEE NOTES	DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64 ANGULAR: X° ±1'0" X'X' ±15'	UNLESS OTHERWISE SPECIFIED 1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) 2) ALL DIMENSIONS ARE AFTER PLATING. 3) BREAK CORNERS & EDGES .005 R. MAX. 4) CHAM. 1ST & LAST THREADS. 5) SURFACE ROUGHNESS 63-MIL-STD-10. 6) DIA: 'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R. 7) REMOVE ALL BURRS	 www.svmicrowave.com TITLE: Ø.087 LOW LOSS CABLE
FINISH: SEE NOTES	DECIMAL: X ±.030 .XX ±.010 .XXX ±.005	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994	
SURFACE AREA: N/A	THIRD ANGLE PROJECTION	DRAWN: TMW 12/04/17	SIZE DWG. NO. B 200-70-363
PROPRIETARY THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SV MICROWAVE, INC IS PROHIBITED.		CHECKED: SEE PDM	SCALE: 16:1
		APPROVED: SEE PDM	SHEET 2 OF 2