

Dwg. Number	Customer P/N	Times P/N	Length(L) in 'mm'
IE-00411-01	-	MGS300-SMSM-1.0M	1000 +20/-0
IE-00411-02	-	MGS300-SMSM-2.0M	2000 +40/-0
IE-00411-03	-	MGS300-SMSM-2.5M	2500 +50/-0
IE-00411-04	-	MGS300-SMSM-3.0M	3000 +60/-0

1.0 Scope

This drawing documents the construction and performance of Maxgain 300 cable assemblies manufactured by Times Microwave systems.

2.0 Cable Information

- 2.1 Cable to be MAXGAIN 300
- 2.2 Jacket color to be Blue
- 2.3 Jacket material to be FEP
- 2.4 Nominal cable impedance to be 50 ohms
- 2.5 Cable diameter to be 7.98mm [0.314"] (Nominal).

3.0 Connector Information

3.1 Forward Connector

Type SMA (M) Straight Connector (SP052) Connector Body – Stainless Steel, Passivated Center Contact – Beryllium Copper, Gold Plated

3.2 After Connector Type SMA (M) Straight Connector (SP052) Connector Body – Stainless Steel, Passivated Center Contact – Beryllium Copper, Gold Plated

Unless otherwise spec- ified, dimensions are in MM. Tolerances are applicable when spec- ified.						TIMES MICROWAVE SYSTEMS			
	Drawn	YA	10/20/22			www.timesmicrowave.com			
These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.	Checked				MG300 CABLE ASSEMBLY (Space Assemblies)				
	Approved				(Space Assemb			blies)	
	Approved			Size	CAGE CODE		Drawing No.:		
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	al Performance	-						
	Frequency rang Insertion loss &	-		w tabla				
4.2		VOWD						
	Dwg. Numbe	er 🔤 🛚	Max. Insertion @ 180			VSWR		
	IE-00411-01		1.2		_	@ 18GHz 1.25		
	IE-00411-02		2.0			.25		
	IE-00411-03	,	2.6	4		.25		
	IE-00411-04		2.8	6	1	.25		
5.0 Mechan	ical Performan	nce						
5.1	Overall Length t	to be s	specified leng	th.				
5.2	Minimum Bend	radius	s is 44.45mm	[1.750"].				
6.0 Environ	mental Perform	nance	9					
6.1	Installation Tem	nperati	ure Range (-5	5°C to +150	°C)			
	Storage Tempe				•			
6.3	Operating Temp	peratu	ire Range (-55	5°C to +150°	C)			
7.0 Marking								
	Markers are to b Marker Configu			lite Color Ma	irker Sleeve.			
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