

Dwg. Number	Customer P/N	Times P/N	Length(L) in 'mm'
IE-00408-01	-	MGS160-SMSM-0.5M	500 +10/-0
IE-00408-02	-	MGS160-SMSM-1.0M	1000 +20/-0
IE-00408-03	-	MGS160-SMSM-1.5M	1500 +30/-0
IE-00408-04	-	MGS160-SMSM-2.0M	2000 +40/-0

1.0 Scope

This drawing documents the construction and performance of Maxgain 160 cable assemblies manufactured by Times Microwave systems.

2.0 Cable Information

- 2.1 Cable to be MAXGAIN 160
- 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 4.04mm [0.159"] (Nominal).

3.0 Connector Information

3.1 Forward Connector

Type SMA (M) Straight Connector (SP007) Connector Body – Stainless Steel, Gold Plated Center Contact – Beryllium Copper, Gold Plated

3.2 After Connector Type SMA (M) Straight Connector (SP007) Connector Body – Stainless Steel, Gold Plated 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	Checked			MG160 CABLE ASSEMBLY					
which is the property of	Approved				(Space Assemblies)		biles)		
Times Microwave Systems.	Appioved			Size	CAGE C	CAGE CODE		Drawing No.:	
				A	6899	99	IE	-00408-XX	
				Scale:	NA	Rev.	(A)	Sheet: 1 of 3	

REV		DESCRIPTION						DATE	BY
A INI	ITIAL RE	LEASE						10/20/22	YA
4.0		al Performanc	-						
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		Dwg. Numbe	er 🔤	@ 220		Max. VSWR @ 22GHz			
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	-	IE-00408-02		2.5			.35		
	-	IE-00408-03		3.5			.35		
	-	IE-00408-04	4	4.5	1	1	.35		
5.0	Mechani	ical Performa	nce						
		Overall Length		specified leng	th.				
		Minimum Bend							
6.0	Environ	mental Perfor	mance	e					
	6.1 I	Installation Ten	nperati	ure Range (-5	5°C to +1	50°C)			
		Storage Tempe		- ·					
	6.3 (Operating Tem	nperatu	ire Range (-55	5°C to +15	0°C)			
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Jnless otherwig fied, dimension JM. Tolerance applicable when fied. These drawings	7.1 M 7.2 M 7.2 M 7.2 M 7.2 M 7.2 M 7.2 M 7.2 M 7.3 M 7.4 M 7.4 M 7.4 M 7.4 M 7.4 M 7.4 M 7.4 M 7.4 M 7.4 M 7.5 M	Markers are to Marker Configu Dwg. Numbe IE-00408-01 IE-00408-02 IE-00408-03 IE-00408-04 \$\$\$\$\$ = 5-digit Register to be I Ap	aration er Ti Ti Ti Ti Ti Ti Ti A Ti Prova	ck text on Wh to be: Marking c imes Microwa MGS160-SM \$\$\$\$ imes Microwa MGS160-SM \$\$\$\$ imes Microwa MGS160-SM \$\$\$\$ INumber for th ined for Seria als	ite Color N letails ve System SM-0.5M \$ ve System SM-1.0M \$ ve System SM-2.0M \$ his specific I Number.	Marker Sleeve. Marker Number Is 1 Is 1 Is 1 & 2 Is TIME	S S M www D C A D ace	Position In center of the cable assy. In center of the cable assy. At both ends. At both ends. IICROWAVE S timesmicrowave.	com

Scale: NA

Rev. (A)

Sheet: 2 of 3

THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1								
REV	DESCRIPTION	DATE	BY					
А	INITIAL RELEASE	10/20/22	YA					

8.0 NOTES

- 8.1 All Dimensions are in MM.
- 8.2 Assemblies built in Class 100,000 clean room.
- 8.3 Low outgassing materials per ASTM E595.
- 8.4 Unless Otherwise Specified: Tolerance will be,

Linear Dimension	Tolerance
<500 mm	±10 mm
500-2000 mm	±15 mm
>2000 mm	±20 mm

**Tolerances are not accumulative.

				Scale:	NA	Rev.	(A)	Sheet: 3 of 3	
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	Approved			Size			,		
	Checked				M	MG160 CABLE ASSEMBLY (Space Assemblies)			
	Drawn	YA	10/20/22			www.timesmicrowave.com			
Unless otherwise spec- ified, dimensions are in MM. Tolerances are applicable when spec-	Approvals					TIMES MICROWAVE SYSTEMS			