REV. STATUS OF SHEETS	REV. LTR.	A					REVISIONS			
	SHEET NO.	1					LTR	DESCRIPTION	DATE	APPROVED
							—	Released	4/5/95	TF
							A	Revised Dimensional Stability	3/9/12	JCL

I. CONSTRUCTION:

INNER CONDUCTOR:	7/.0296"silver plated copper	.089" Dia.
DIELCTRIC CORE:	Solid Polyethylene	.285" Dia.
INNER SHIELD:	#33 AWG, 90% min.coverage	.316" Dia.
INTERLAYER:	Solid Polyethylene	.365" Dia.
OUTER SHIELD:	#33 AWG, 90% min.coverage	.396" Dia.
DUAL JACKET:	Polyethylene	.500" Dia.
	Polyurethane	.660" Dia.

ENVIRONMENTAL/MECHANICAL REQUIREMENTS: Testing per Mil-C-17

Eccentricity	10% Maximum
Conductor Adhesion	7# Min.- 65# Max.
Aging Stability	90 C
Cold Bend	-55 C
Dimensional Stability	Core: .125 " Max.
	Jacket: .250 " Max.
Weight	29.0#/100ft. Max.
Watertightness	25lb$_f$/in^2 - 6 hours
Hydrostatic	1000lb$_f$/in^2 - 2 hours

ELECTRICALS: Testing per Mil-C-17

Spark Test	8000 Vrms Min.
Voltage Withstanding (Core)	10000 Vrm Min.
(Interlayer)	500 Vdc Min.
Corona Extinction	5000 Vrms Min.
Impedance (Ohms)	50 +/- 2
Capacitance (pf/Ft)	32.0 Max.
Attenuation	Per Figure 1
Structural Return Loss	Per Figure 2

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES
TOLERANCES ON DECIMALS
X ± XX ± XXX ±
ANGLES ± FRACTIONS ±

DR
CHK
APPD: PROD. MGR. Tom Feder
FLD. ENG. MGR.

TIMES MICROWAVE SYSTEMS

High I.R.-Twin Jacketed Tank Cable
Meeting Mil-C-17 Requirements

SIZE	CODE IDENT NO.	DWG. NO.
A	68999	AA-8299

SCALE | SHEET 1 of 3

REV. STATUS OF SHEETS	REV. LTR.							REVISIONS			
	SHEET NO.							LTR	DESCRIPTION	DATE	APPROVED
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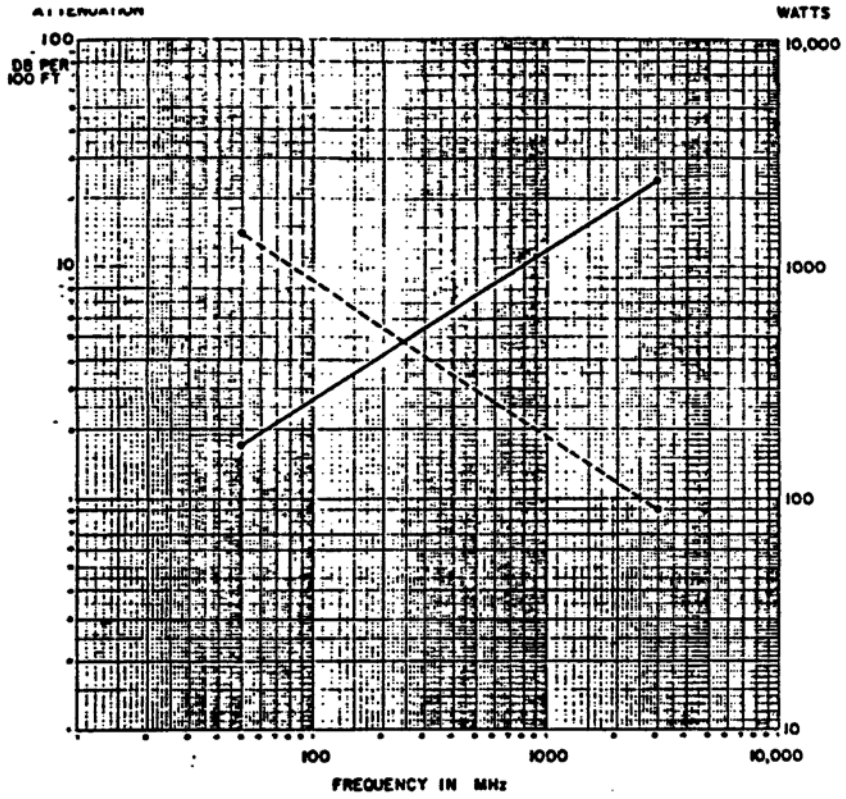

Frequency MHz	Attenuation dB	Watts
50	1.7	1400
100	2.6	850
400	6.4	350
1000	11.4	190
3000	23	90

Maximum attenuation ————

Maximum power ---- at 25°C sea level

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES
TOLERANCES ON DECIMALS
.X ± .XX ± .XXX ±
ANGLES ±
FRACTIONS ±

DR

CHK

APPD: PROD. MGR. Tony Feden

APPD: FLD. ENG. MGR.

TIMES MICROWAVE SYSTEMS

High I.R.-Twin Jacketed Tank Cable Meeting Mil-C-17 Requirements

SIZE	CODE IDENT NO.	DWG. NO.
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SCALE

REV. STATUS OF SHEETS	REV. LTR.							REVISIONS			
	SHEET NO.							LTR	DESCRIPTION	DATE	APPROVED
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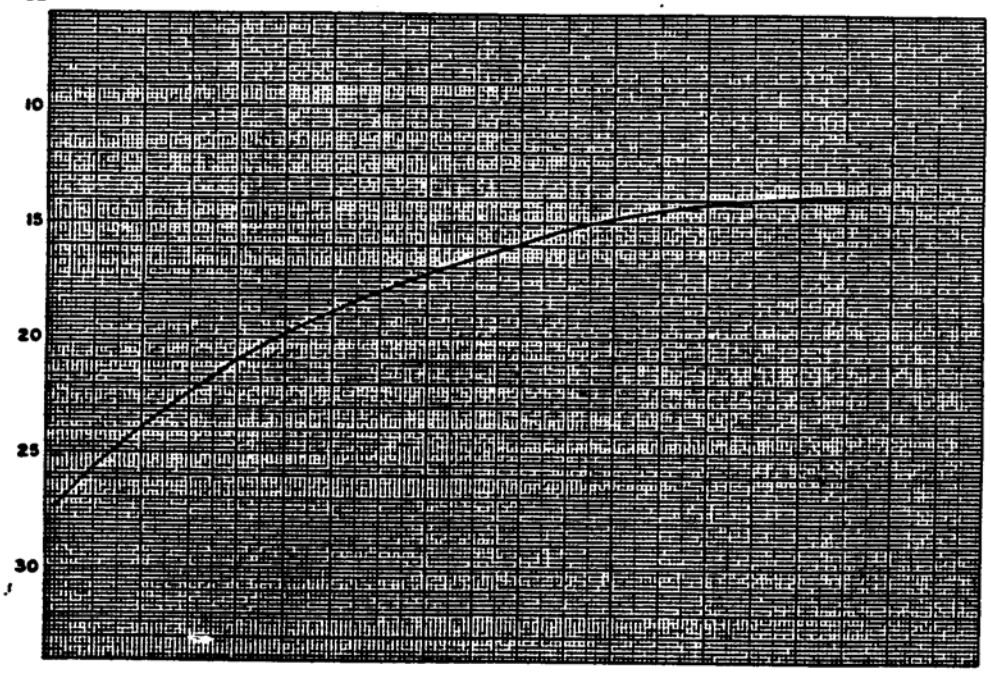
SWR	Reflection coefficient	Return loss dB	SWR	Reflection coefficient	Return loss dB
1.3767	.1585	16	17.3910	.8913	1
1.3290	.1413	17	8.7242	.7943	2
1.2880	.1259	18	5.8480	.7079	3
1.2528	.1122	19	4.4194	.6310	4
1.2222	.1000	20	3.5698	.5623	5
1.1957	.0891	21	3.0095	.5012	6
1.1726	.0794	22	2.6146	.4467	7
1.1524	.0708	23	2.3229	.3981	8
1.1347	.0631	24	2.0999	.3548	9
1.1192	.0562	25	1.9250	.3162	10
1.1055	.0501	26	1.7849	.2818	11
1.0935	.0447	27	1.6709	.2512	12
1.0829	.0398	28	1.5769	.2239	13
1.0736	.0355	29	1.4985	.1995	14
1.0653	.0316	30	1.4326	.1778	15

Frequency MHz	Min SRL
50	27.5
1000	21
2000	16
3000	13.8

MINIMUM STRUCTURAL RETURN LOSS



(TEST REQUIREMENTS SHALL BE NOTED AS LINE INDICATED ON GRAPH)

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES
TOLERANCES ON DECIMALS
X ± XX ± XXX ±
ANGLES ± FRACTIONS ±

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SIZE	CODE IDENT NO.	DWG. NO.
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SCALE | SHEET 3 of 3