

REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
A	PRODUCTION		

COAXIAL 30W 6-40GHZ 10DB DIRECTIONAL COUPLER

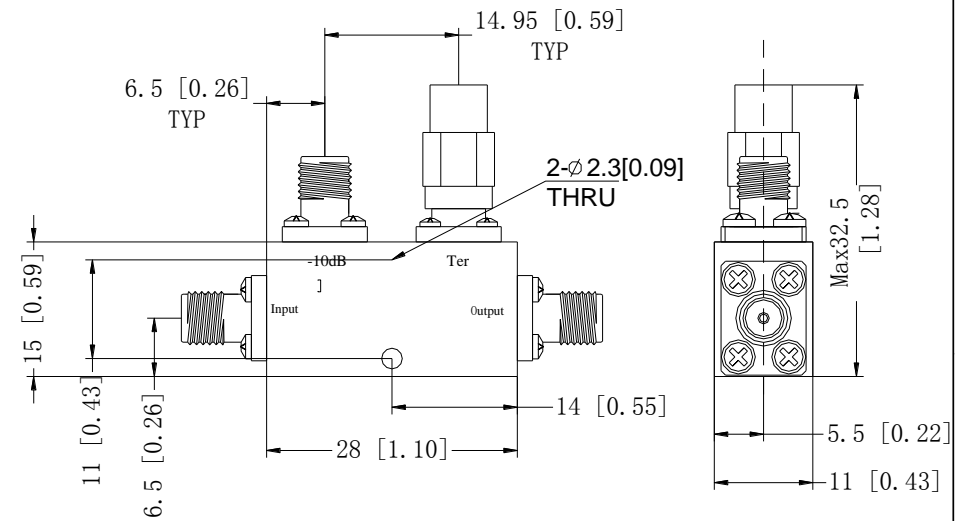
UCL-DC064010A-30S
SPECIFICATIONS

ELECTRICAL

Outline Drawing:

All Dimensions in mm [inches] Tolerance ± 0.2 [0.008]

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	6		26.5	26.5		40	40		43.5	GHz
Nominal Coupling	9	10	11	9	10	11		10		dB
Frequency Sensitivity		± 0.4	± 0.7		± 0.3	± 0.6		± 0.3		dB
Directivity	10	12		10	12			10		dB
Insertion Loss(Excl Coupling)			0.9			1.1		1.2		dB
Insertion Loss (true)		1.2	1.4		1.5	1.6		1.6		
VSWR Primary		1.4	1.6		1.4	1.6		1.5		: 1
VSWR Secondary		1.5	1.6		1.5	1.6		1.5		: 1
Power Rating	Average	30								W
	Peak	500								W
Impedance	50								Ohms	
Weight	1.06								ounces	
Input / Output Connectors	2.92mm-Female (Stainless steel)									
Material	Aluminum									
Finishing	Gray Paint									



Environmental Specifications

Operational Temperature	-45°C~+85°C
Storage Temperature	-55°C~+125°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
(Optional)	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions



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TITLE

COAXIAL 30W 6-40GHZ 10DB DIRECTIONAL COUPLER

SIZE

A

CAGE CODE

MODEL

UCL-DC064010A-30S

REV

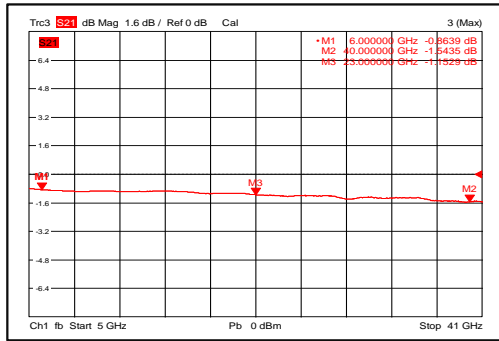
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SCALE 1:1

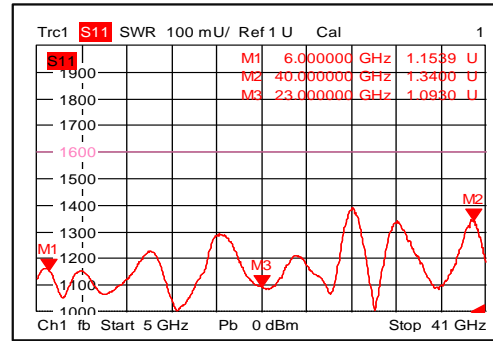
DOC FAMILY

SHEET 1 OF 2

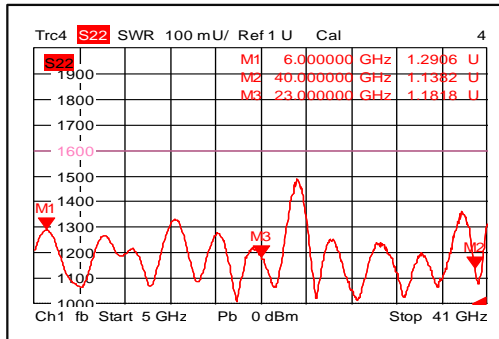
Insertion Loss



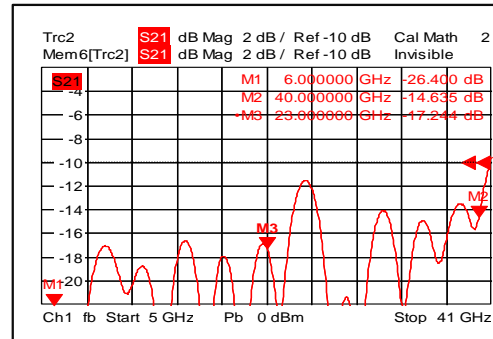
Primary VSWR



Secondary VSWR



Directivity



Nominal Coupling

