

Part No:


# HULL140-29P-29P-L



## HULL140 Low Loss Flexible Cable Series with 2.92mm Male Connectors - 40 GHz



### Features

- RoHs Compliant 
- Low Loss, Low VSWR, High Reliability
- Phase Stable over Temp: 500ppm Max @ -40°C ~ 85°C
- Phase Stable vs. Flexure:  $\pm 7.2^\circ$  @ 40 GHz  
(When wrapped 360° around a 2" diameter mandrel)

The HASCO **HULL140** is a Low Loss Flexible Cable Series that is phase stable over temperature and phase stable vs. flexure. Available with 2.92mm Male connectors and rated to 40 GHz.

Part Number	Length (inch)	Insertion Loss (dB)
HULL140-29P-29P-6	6"	$\leq 1.1$ dB
HULL140-29P-29P-12	12"	$\leq 1.6$ dB
HULL140-29P-29P-18	18"	$\leq 2.0$ dB
HULL140-29P-29P-24	24"	$\leq 2.4$ dB
HULL140-29P-29P-36	36"	$\leq 3.2$ dB
HULL140-29P-29P-48	48"	$\leq 4.0$ dB

### Electrical

• Impedance	50 $\Omega$		
• Frequency Range	DC - 40 GHz		
• VSWR	1.35:1 Max		
• Insertion Loss	-0.75 dB/ft @ 40 GHz		
• Amplitude Stability	$\leq \pm 0.3$ dB thru 40 GHz		
• Velocity of Propagation	85%		
• Time Delay	1.18 ns/ft		
• Capacitance	23.7 pF/ft		
• Power CW	415 W @ 2 GHz	120 W @ 18 GHz	70 W @ 40 GHz
• Phase Stability vs. Flexure	$\pm 0.36^\circ$	$\pm 3.3^\circ$	$\pm 7.2^\circ$
• RF Leakage	< -90 dB dB @ 18 GHz		

### Mechanical

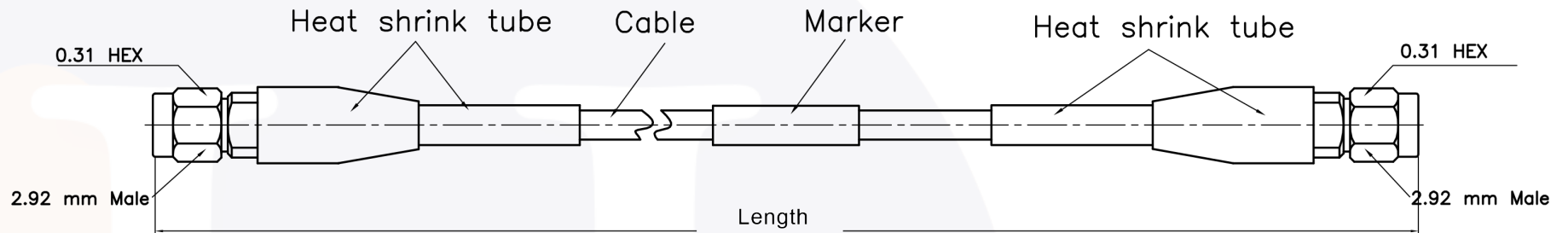
• Min Bend Radius	0.5 inch
• Recommended Bend Radius	1.42 inch


### Environmental

• Temperature Range	-55°C to 85°C
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### Material

• Connector Body & Nut	Passivated Stainless Steel
• Gasket	Silicon
• Dielectric	PEEK
• Center Contact	Gold Plated BeCu
• Cable Jacket	PFA



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: <i>NS</i>	REVIEWED BY: <i>JS</i>	 5214 Bonsai Avenue • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com <a href="http://www.hasco-inc.com">www.hasco-inc.com</a>			
-	RELEASE	1/25	TC		APPROVED BY: <i>TC</i>				
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						SEE DATA SHEET	0T8L4	N/A	A
						FINISHES:	PART NO./DRAWING NO.		REV:
						SEE DATA SHEET	<b>HULL140-29P-29P-L</b>		A
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