



HASCO, INC
COMPONENTS DISTRIBUTOR

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HULL 140 Series

40 GHz Millimeter Wave Ultra Low Loss Flexible Cable

Assemblies with Excellent Phase Stability vs. Flexure and Temperature

FEATURES

- RoHS Compliant 
- Low Loss, Low VSWR, High Reliability
- Phase Stable over Temp: 500pp Max @ -40°C - +85°C
- Phase Stability vs. Flexure: $\pm 7.2^\circ$ @ 40 GHz
- Available with Stainless Steel Armor
- Cable Insertion Loss: -0.75 dB per ft @ 40 GHz
- Amplitude Stability: $< \pm 0.3$ dB through 40 GHz

ELECTRICAL SPECIFICATIONS

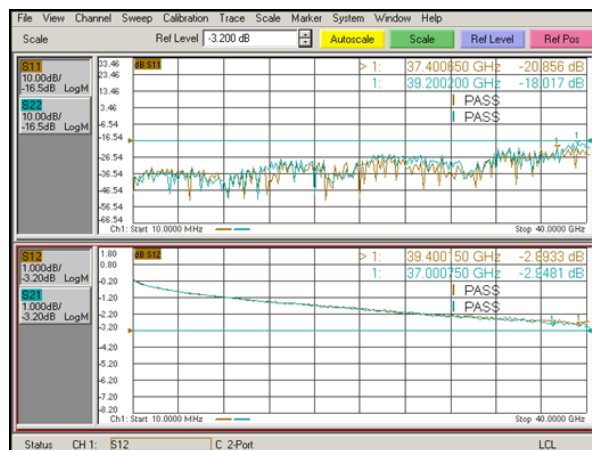
Max Frequency (GHz)	40				
Capacitance (pF/Ft)	23.7				
Velocity Propagation (%)	85				
RF Leakage @ 18 GHz (dB)	<-90				
Time Delay (ns/Ft)	1.18				
Impedance (Ohms)	50				
Frequency (GHz)	2	6	18	26.5	40
Power CW (Watts)	415	210	120	100	70
Phase Stability vs. Flexure ($^\circ$)	± 0.36	± 1.1	± 3.3	± 4.8	± 7.2

MECHANICAL SPECIFICATIONS

Cable Max Dia. (Inch)	0.142
Min. bend radius (Inch)	0.5
Recommend Bend Radius (Inch)	1.42
Raw Cable Temperature Range ($^\circ$ C)	-55 to +85

MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	PFA	Gray
Marker	Mil-I-23053	White
Contacts	BeCu	Gold Plated
Insulators	PTFE	None
Connector Bodies	Stainless Steel	Passivated
Connector Nuts	Stainless Steel	Passivated
Gasket	Silicon Rubber	A-A-59588



HOW TO ORDER: HULL140-XX-XX-L

I 2A 2B 3

***Example: HULL140-29P-29J-L

1. Cable Type
2. Connectors: (A&B) 2.92 Male = 29P
2.92 Female= 29J
3. Length in Inches L = Inches