

VCA-VJ12

Ultra Low Loss & Phase Stable

Features:

- * Low Insertion Loss
- * High Phase Stability
- * mmWave
- * High Frequency

Applications:

- * Phased-array Radar
- * Satellite Communication
- * Avionics



Electrical

Frequency:	DC~46GHz
VSWR:	1.3 max@40GHz
Impedance:	50Ω
Velocity of Propagation:	77%

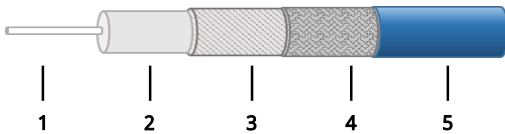
Mechanical

Static Bending Radius:	12mm
Dynamic Bending Radius:	20mm
Connector:	K(2.92mm) STR(M)

Environmental

Temperature: -40~+85°C

Construction



No.	Name	Material
1	Center Conductor	Silver-plated copper
2	Dielectric	PTFE
3	Inner Conductor	Copper, Silver-plated, wrappet Foil
4	Outer Conductor	Copper, Silver-plated, Braid
5	Jacket	PUR, 4mm

Attenuation & Power Handling

Frequency (GHz)	9.2	18.4	27.6	39.1	46.0
Attenuation(dB/m)	1.19	1.72	2.14	2.59	2.84
Average Power(W)	79	56	46	38	35

HowTo Order

VCA-X-VJ12-Y-Z

X: Connector type

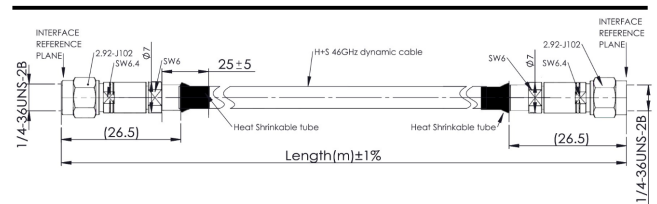
Y: Frequency in GHz

Z: Length in meters

Flexible RF Cables & Assemblies



Outline Drawing



Units: mm, unless indicated otherwise

Testing Report

Typical Performance Cable length: 2m

