

VG Series Products

Mass Interconnect Technologies



VGRCB-8C-40G VGFCB-8C-40G

The VGRCB-8C-40G and the VGFCB-8C-40G provide 8 blind mate contacts for RF operations up to the KA band. Coax contacts are provided for signals from DC to 40 GHz. Two precision alignment pins per block ensure proper alignment. Two shoulder mounting screws in the VGRCB-8C-40G block allow the block to float in the receiver. **Blocks, contacts and cables sold separately.**

Contact Pair Specifications

Bandwidth..... DC - 40 GHz
VSWR 0.3 - 1.55 cable dependent
Insertion Loss 1.5 dB @ 40 GHz
Temperature Range..... -50°C to +125°C
Connection Type 3.5 mm or 2.92mm
Impedance..... 50Ω

Frequency Range (GHz)	Loss (Max. dB)	VSWR (Max.)
DC - 18	0.3	1.35
18 - 40	1.5	1.55

Cable Specifications

KEY ELECTRICAL CHARACTERISTICS

Test Frequency: 2.0 to 40.0 GHz
Insertion loss @ 23°C, max.: 3.4 dB
VSWR, max.: 1.35 (2-12.4 GHz), 1.45 (12.4 – 40 GHz).
Minimum Bend Radius: 0.875"
Operating Temperature: -65°C to +200°C
Moisture Resistance: MIL-STD-202, Method 106
Vibration: MIL-STD-202, Method 204, Cond C
Shock: MIL-E-5272, Para. 4.15.5.1
MIL-T-81490 Features

Ordering Information

Receiver Module..... VGRCB-8C-40G
Receiver Coaxial Contact Part Number..... A35775
Receiver Contact Connection Style 2.92mm

Fixture Module..... VGFCB-8C-40G
Fixture Coaxial Contact Part Number..... A35775
Fixture Contact Connection Style 2.92mm

Identical Cable Assemblies for Fixture/Receiver

All cables 2.92mm Male to 2.92mm Male at Opposite End:

36" Cable Terminated w/2.92mm contacts – both ends..... A35774

Accessories

Related Information Data Sheet VG Cabling Solutions Matrix