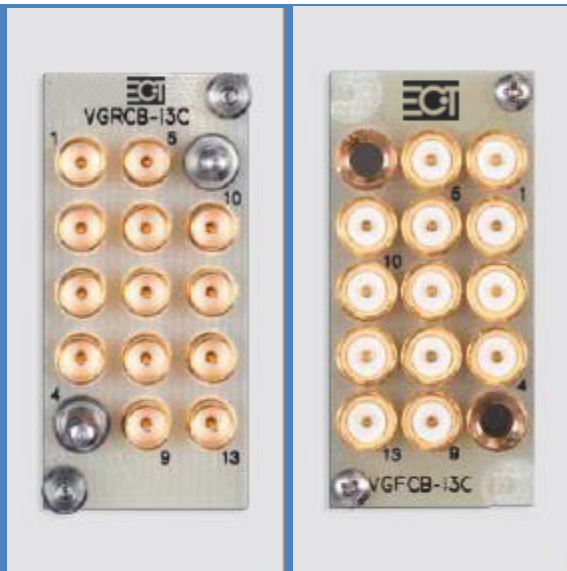




# VGRCB-13CF / VGFCB-13CF

The VGRCB-13C provides 13 contacts for signals up to 3.7Ghz. The center conductor is a replaceable standard .035" probe. The outer shell is spring loaded. All cable connections to the VGR/VGFCB-13CF blocks are snap-on SMB. Two precision alignment pins per block ensure proper alignment. Two shoulder mounting screws per VGR block allow the block to float in the receiver. Blocks are sold fully configured. Cables sold separately.



## Application Notes

When designing solutions using the VGR/VGFCB-13CF blocks, keep in mind the "system" losses of the solution you are attempting to achieve. The RF "receiver to fixture" interface is a contact set designed by ECT. The band pass of the contacts less cabling of the VGR/VGFCB-13CF solution is 3.7Ghz. The "cable to VGR" contact and "cable to VGFCB" contact are 50Ω SMB contacts, which are typically rated for a 5Ghz bandwidth. The standard cable used with the SMB contact above is RF-174, which has a high loss rate at frequencies above 1Ghz. Typical loss at 1Ghz is approximately 0.34dB per foot. Hence, the conservative specifications apply with standard cabling. Using semi-rigid coax for the VGRCB-13CF requires the use of a SMB plug to OSM (SMA) jack adapter. Manufactured by M/ACom (AMP). Use part number 5182-2240-00.

## Contact Pair Specifications

Voltage Rating (dielectric breakdown)	250VDC
Current	5 Amps Continuous
Contact Resistance	39 mΩ
Impedance	50Ω
Capacitance	8.8pf
Inductance	42mH
Bandwidth (-3db roll off)	3.7Ghz (-3db)
Durability	25,000 Cycles
Center Conductor	Replaceable Spring Probe
Coax Connection Type	SMB

## Ordering Information:

### Receiver Module:

36" Receiver Coax Cable Assy.

VGRCB-13CF (Ref No. 482)

CR-CA50RG174-36

### Fixture Module:

36" Fixture Coax Cable Assy.

VGFCB-13CF (Ref No. 483)

CF-CA50RG174-36

## Accessories

Replacement Center Conductor A35860

For more information about VG Mass Interconnect products:  
Contact your Local Sales Representative at [www.ect-cpg.com/principal-offices](http://www.ect-cpg.com/principal-offices)  
Visit ECT Online at [www.ect-cpg.com/vg-mass-interconnect-products](http://www.ect-cpg.com/vg-mass-interconnect-products)



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