



Super High Frequency Connectors (New "BMR" and "V-Bite") Up to 8GHz

BMR : Traditional 3 GHz Type F connectors are adequate for many HDTV applications, but cannot accommodate the extreme bandwidth required to maintain the HD signal to hundreds of TVs throughout a building. BMR connectors, when employed in RF circuits designed for them, virtually ensure the integrity of signals due to their proprietary engineering. The new 75-ohm interfaces are rated to **8 GHz** (test well to 10 GHz), and engineered to only mate with 8 GHz parts and accessories. Featuring an open-top design, connectors mount to the PCB to support optimal grounding and inductance, and feature a contact pin placement that facilitates low overall capacitance. **Note: BMR connectors will not mate with standard F connectors in order to maintain signal integrity,**

V-Bite (BNC, F): The V-Bite ® is an industry award winning design PCB connector with all the advantages a designer could want. It edge mounts to the board which offers the lowest profile and utilizes very little PCB real estate. It lends itself to surface mount and through-hole soldering techniques. There are versions for IR and convection reflow soldering. Because the connector locks into place both above and below the PCB it disperses rotational torque relief to the board and not the solder points. The **New** V-Bite ® design offers the lowest VSWR ratings to **5GHz** due to the straight through-put contact design. No right angles for reflection. Available in and 75 ohm, threaded "BNC" w / flange and "F" type for RG59 and RG6. Other options for PCB thickness available.

BMR Types

Part Number	RoHS	Description	Imp	Contact	Fig. No.
1810V504	<input checked="" type="checkbox"/>	BMR Jack V-bite for Reflow Solder 8GHz	75W	Phos./Gold	20A
1810A209A	<input checked="" type="checkbox"/>	BMR Crimp Plug for RG6	75W	Phos./Gold	20B
1810A209B	<input checked="" type="checkbox"/>	BMR Crimp Plug for RG11	75W	Phos./Gold	20B



Fig.20A



Fig. 20B

V-Bite Types

Part Number	RoHS	Description	Imp	Contact	Fig. No.
361VH704EFT	<input checked="" type="checkbox"/>	BNC Threaded Jack W/ Teflon Ins./Flng 4GHz	75W	Phos./Gold	20C
861VH509ER6	<input checked="" type="checkbox"/>	F type Edge Mount Jack (RG6, RG59) 5GHz	75W	Phos./Gold	20D



Fig. 20C



Fig.20D

RoHS compliant reflow or wave solder RoHS compliant wave solder only

[SOLDER SUGGESTIONS](#)