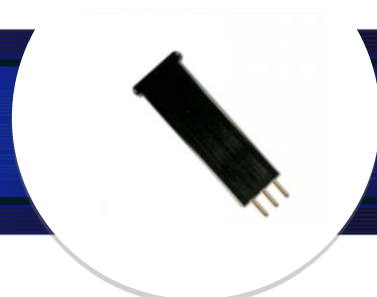


# Broadband International 1 GHz Peaking Attenuator Pad (UPA)



## 1 GHz Peaking Attenuator Pads for ARRIS<sup>®</sup>/Motorola<sup>®</sup> Products

Product Specifications		
Parameter	Unit of Measure	Specifications
Bandwidth	MHz	54 -1002 MHz
Return Loss (MIN)	dB	-18
Length	Inch	1.4 inch – without locks

OEM P.N.	BBI P.N.	Values
564002-PHS	564002-PHS	2 dB
564003-PHS	564003-PHS	3 dB
564004-PHS	564004-PHS	4 dB
564005-PHS	564005-PHS	5 dB
564006-PHS	564006-PHS	6 dB
564007-PHS	564007-PHS	7 dB
564008-PHS	564008-PHS	8 dB
564009-PHS	564009-PHS	9 dB



## UNIVERSAL PEAKING ATTENUATORS (UPA) Specification

Universal Peaking Attenuators provide compensation for amplifier/passive roll-off above 870 MHz. The UPA has characteristics that vary with frequency. Those characteristics are specified as follows:

1. Insertion Loss: This is the loss at 54 MHz
2. Down Tilt: The frequency response has a slight down tilt at certain frequencies. This is the difference between the loss at 54 MHz and the frequency at which maximum down tilt occurs.
3. Beginning of Up Tilt Region: The frequency where the attenuation is again equal to the insertion loss.
4. Minimum Attenuation: This is the response peak. The amount of compensation is the insertion loss minus the minimum attenuation.
5. Frequency of Minimum Attenuation: The frequency of the response peak. This should be at or slightly above the maximum frequency the system uses.
6. Return Loss: The minimum return loss at the input or output port over the range of 54 to 1050 MHz

**Figure 1 – 2 dB UPA Response (Example)**

