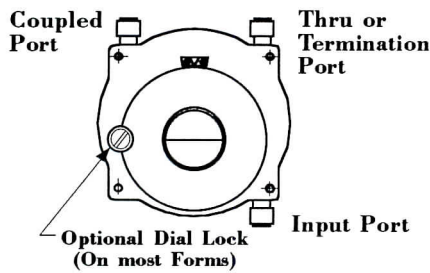


VARIABLE COUPLER ATTENUATORS

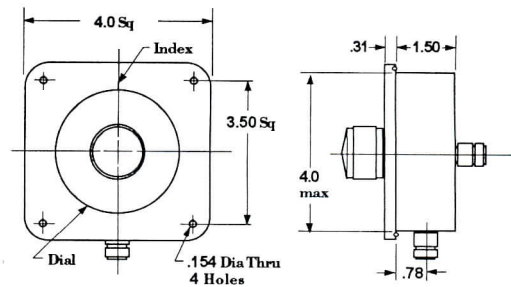
100 dB Range
Low Phase



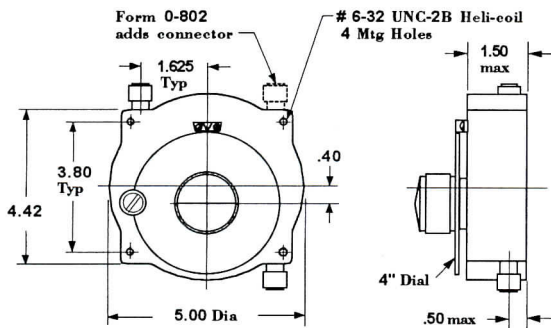
Typical Port Design



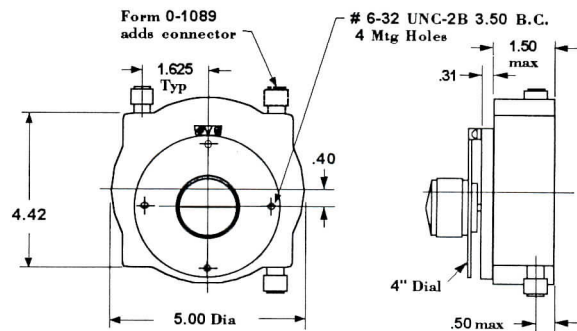
Panel Mount Standard Form 0-1212



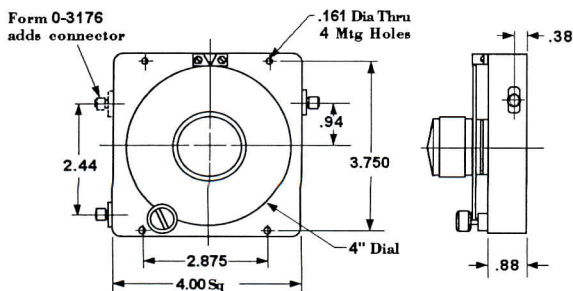
Standard Forms 0-660 & 0-802



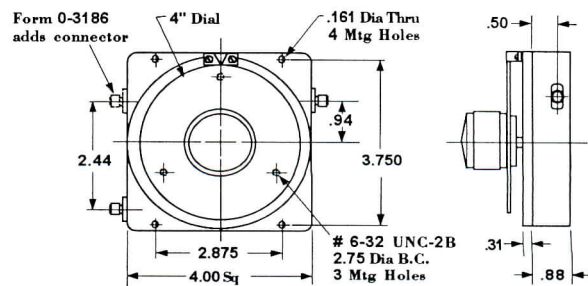
Panel Mount Forms 0-1074 & 0-1089



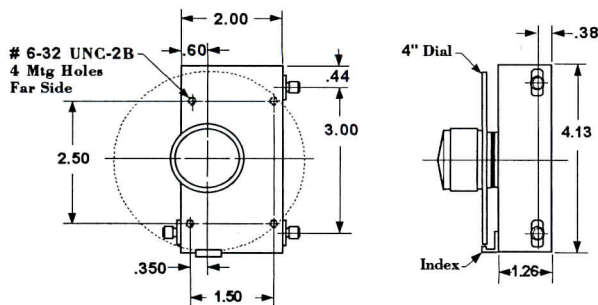
Standard Forms 0-3176 & 0-3177



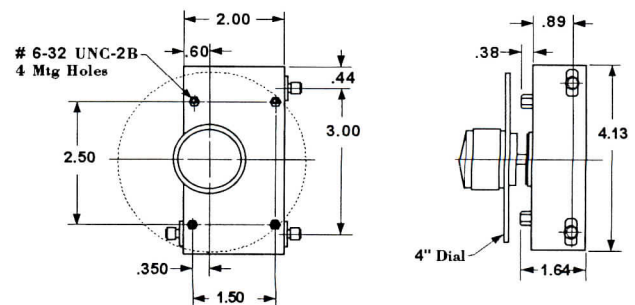
Panel Mount Forms 0-3186 & 0-3187



Standard Form 0-2366



Panel Mount Form 0-2760



VARIABLE COUPLER ATTENUATORS

100 dB Range
Low Phase

GENERAL DESCRIPTION

ARRA Variable Directional Couplers are ideal for applications requiring large dynamic attenuated output from the secondary line with minimum main line loss. These units are particularly useful in amplitude monitoring loops, AGC loops and mixer applications.

As in all directional couplers, the main line is isolated from the attenuated secondary line. This type of device can withstand extremely high power levels and may be utilized as a high power continuously variable attenuator with the appropriate termination on the main line output.

GENERAL SPECIFICATIONS

Insertion Loss (max) 1.5 dB (Main Line)
6.0 dB (Secondary)
Connectors * SMA or Type N Female
VSWR (max) 1.5 after first 4 dB
Dial Specifications Direct reading in
1 dB increments
Phase Shift 6° typical
Material:
Body Aluminum
Connectors MIL-C-39012
Finish ARRA Blue per
MIL-C-22750

Freq Range (GHz)	Atten Range (dB)	Atten vs Freq (±dB)	RF Power (Avg W)	Form Factor	Model No. *
0.5-1.0	60	1.00	200	0-3176	2951-60
	80	1.25	200	0-3176	2951-80
	60	1.00	15	0-3177	2952-60
	80	1.25	15	0-3177	2952-80
0.9-1.3	60	1.00	200	0-802	2-3951-60
	80	1.25	200	0-802	2-3951-80
	100	1.50	200	0-802	2-3951-100
	60	0.50	15	0-660	2-3952-60
	80	0.50	15	0-660	2-3952-80
	100	0.75	15	0-660	2-3952-100
0.960-1.215	90	0.50	5	0-1212	2-3954-90
	100	0.75	5	0-1212	2-3954-100
1.0-2.0	60	1.00	200	0-802	3951-60
	80	1.25	200	0-802	3951-80
	100	1.50	200	0-802	3951-100
	60	1.00	15	0-660	3952-60X
	80	1.25	15	0-660	3952-80X
	100	1.50	15	0-660	3952-100X
1.4-2.4	60	1.00	200	0-802	3-4951-60
	80	1.25	200	0-802	3-4951-80
	100	1.50	200	0-802	3-4951-100
	60	1.00	15	0-660	3-4952-60
	80	1.25	15	0-660	3-4952-80
	100	1.50	15	0-660	3-4952-100
2.0-4.0	60	1.00	200	0-802	4951-60
	80	1.25	200	0-802	4951-80
	100	1.50	200	0-802	4951-100
	60	1.00	15	0-660	4952-60X
	80	1.25	15	0-660	4952-80X
	100	1.50	15	0-660	4952-100X
4.0-8.0	60	1.25	1	0-2366	5955-60
	80	1.50	1	0-2366	5955-80
	60	1.25	50	0-2366	5956-60
	80	1.50	50	0-2366	5956-80

* To specify SMA connectors, suffix model number with S. Ex: 3952-60XS
To specify panel-mounted version, precede model number with P. Ex: P3952-60X
To specify dial lock option, precede model number with L. Ex: L3952-60X
Note: Units covering other bandwidths are available; contact factory.