

# ARC SERIES – VARIABLE ATTENUATORS, MANUAL

## TECHNICAL FEATURE

### FEATURES

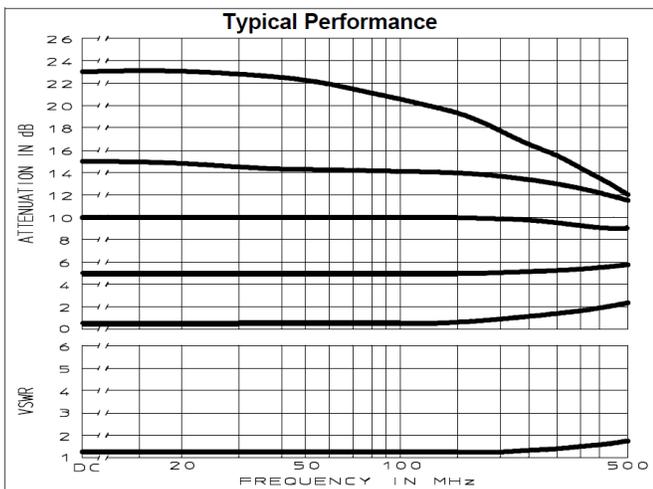
- DC to 400 MHz
- 0 to 20 dB range
- Broadband
- Panel Mountable
- BNC & SMA

### GENERAL SPECIFICATIONS

Resetability (Granularity): 0.2 dB typ.  
 Average power: 0.5 Watts max.  
 Weight, nominal: 2 oz. (56 g)  
 Operating Temperature: -55° to +85°C

## PERFORMANCE

Model Number	Frequency Range, MHz	Performance Band, MHz	Attenuation Range, dB, Min.	Flatness, Pk-Pk, dB, Typ.	Insertion Loss, dB, Max.	VSWR, Max.	Impedance, Nom.	Mechanical Configuration & Connector
ARC-1	DC - 400	DC - 50	0 - 20	(See Graph	1.0	1.5:1	50 Ω	Panel-Screw Drive/SMA
		DC - 200	0 - 13	Below)	1.5	1.8:1		
		DC - 400	0 - 8	Below)	2.5	2.2:1		
ARC-2	DC - 400	DC - 50	0 - 20	(See Graph	1.0	1.5:1	50 Ω	Panel-Screw Drive/SMA w/Knob
		DC - 200	0 - 13	Below)	1.5	1.8:1		
		DC - 400	0 - 8	Below)	2.5	2.2:1		
ARC-3	DC - 400	DC - 50	0 - 20	(See Graph	1.0	1.5:1	50 Ω	Panel-Screw Drive/BNC
		DC - 200	0 - 13	Below)	1.5	1.8:1		
		DC - 400	0 - 8	Below)	2.5	2.2:1		
ARC-4	DC - 400	DC - 50	0 - 20	(See Graph	1.0	1.5:1	50 Ω	Panel-Screw Drive/BNC w/Knob
		DC - 200	0 - 13	Below)	1.5	1.8:1		
		DC - 400	0 - 8	Below)	2.5	2.2:1		



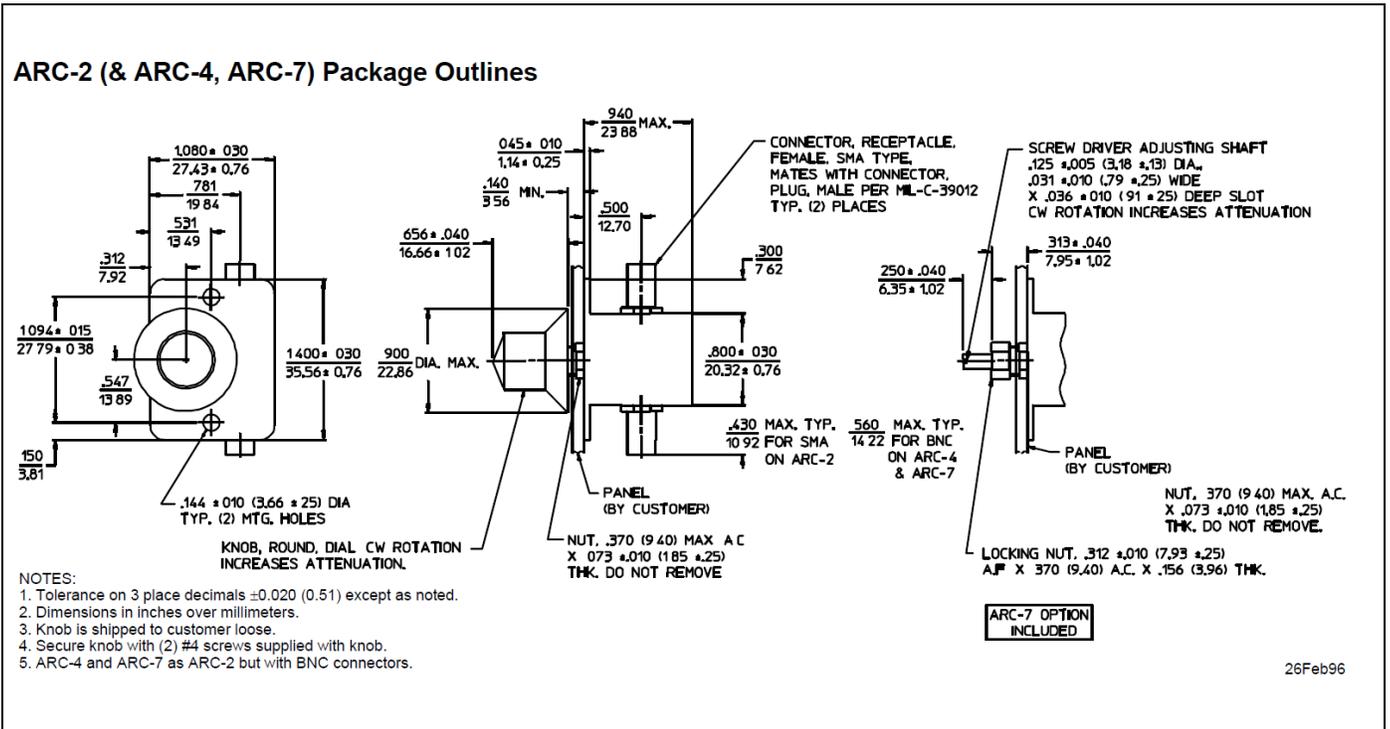
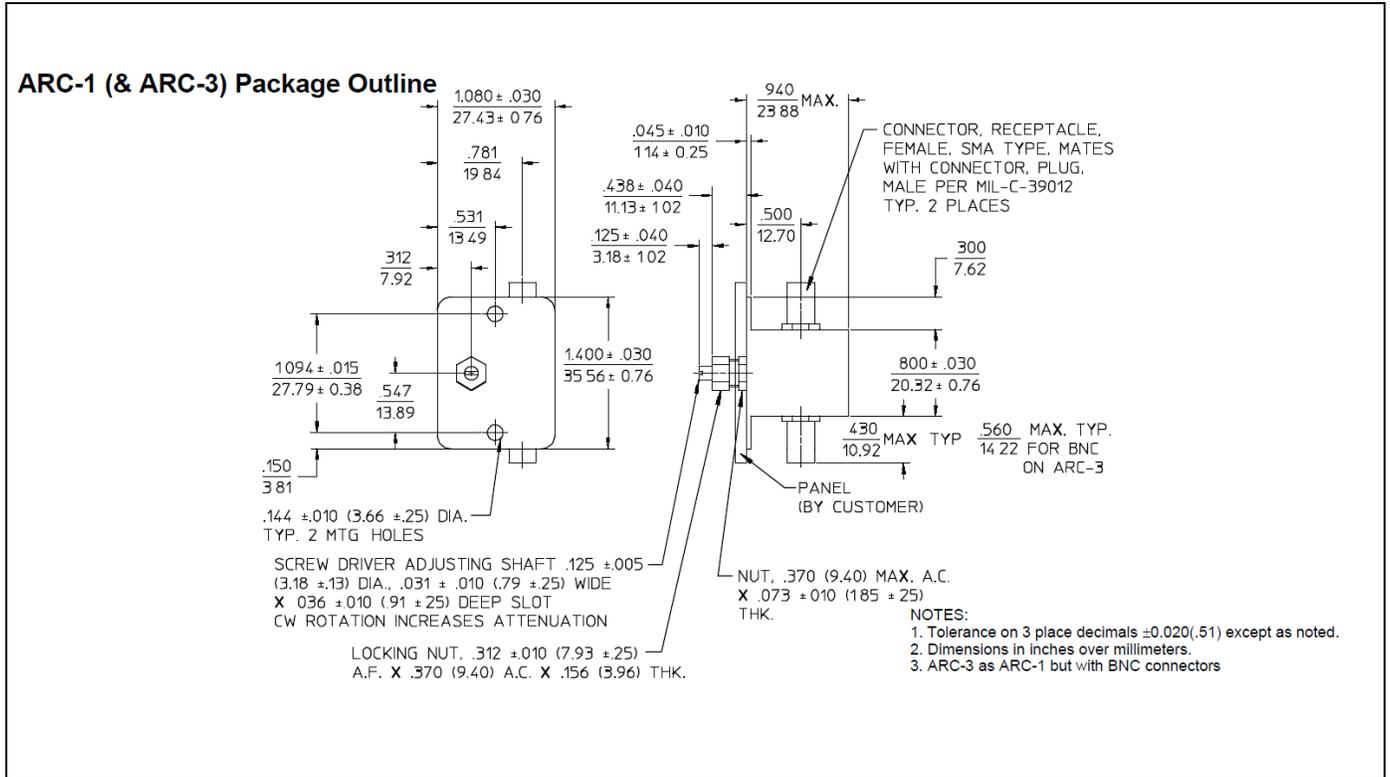
## DESCRIPTION

The ARC series consists of continuously variable attenuators utilizing compressed Bridged Tee networks to vary signal power. These constant impedance, very broadband attenuators are designed to cover frequencies from DC to 400 MHz. Similar units are available with electronic control of attenuation in the ARE and ARES series.

All Merrimac attenuators are designed for high reliability in accordance with applicable paragraphs of MIL-A-24215 and can be supplied screened to meet specific military and space applications.

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## PACKAGE OUTLINE



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