

# ROTARY COAXIAL RF TRANSFER SWITCH

## Models CS-250 and CS-275

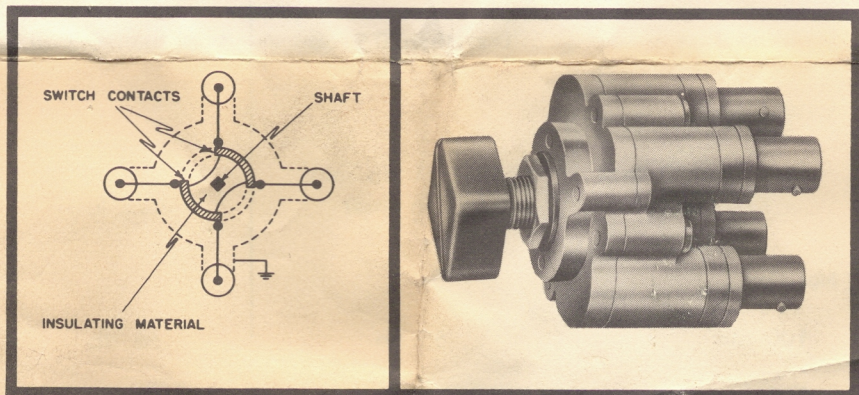


Figure 1.  
Circuit Diagram Models CS-250, CS-275

Figure 2. Model CS-250

### Description

Model CS-250 is a manually-operated, rotary coaxial switch for switching rf energy from one circuit to another. This four-terminal, two-position transfer switch is coaxially mounted in a rugged die-cast metal frame. The dual-wiping, self-aligning switch contacts are silver-clad and mounted in Kel-F dielectric. The CS-250 is supplied with BNC connectors at an impedance of 50 ohms. The CS-275 is similar to the CS-250 except that it is supplied with Jerrold F-series fittings at an impedance of 75 ohms.

# SPECIFICATIONS

	<b>CS-250</b>	<b>CS-275</b>
<b>Impedance</b>		
<b>Input and Output</b>	50 ohms	75 ohms
<b>Frequency Range</b>	0 to 1,000 mc	0 to 500 mc
<b>Insertion Loss</b>	Less than 0.2 db	Less than 0.2 db
<b>VSWR, Max.</b>		
<b>Input and Output</b>	1.2:1 (21 db min. return loss)	1.2:1 (21 db min. return loss)
<b>Isolation</b>		
<b>100 mc</b>	55 db	55 db
<b>200 mc</b>	50 db	50 db
<b>300 mc</b>	45 db	45 db
<b>500 mc</b>	40 db	40 db
<b>1,000 mc</b>	35 db	NA*

\*NA = not applicable

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