

RADIAL TRANSFER (CROSS-OVER)

Manual and remote-controlled



SF Series



FEATURES

Manual

- Positive ball bearing detent
- Panel or base mounting provisions

Remote

- Rotary solenoid actuation
- Latching action
- Self de-energizing
- Position indicator circuit available

SPECIFICATIONS

Connector series	N	SMA	BNC	TNC	HN	C
Frequency max (GHz)	8	8	8	8	5	5
VSWR 1.3 max range (GHz)	DC-7	DC-7	DC-5	DC-5	DC-3	DC-5
1.5 max range (GHz)	7-8	7-8	5-8	5-8	3-5	
Average power @ 1 GHz ¹ (W)	1000	300	500	500	1000	1000
Peak power ² (kW)	5	3	3	3	10	10
Insertion loss, max DC-5 GHz (dB)	0.3	0.3	0.3	0.3	0.3	0.3
5 GHz-max frequency (dB)	0.5	0.5	0.5	0.5		
Isolation, min (dB)	40	40	40	40	40	40
	Manual		Remote			
Minimum life	100,000 operations		100,000 operations			
Temperature range	-60° to +100°C		-54° to +100°C			
Switching time	—		100 ms @ 28° room temp.			
Switching rate	—		30 operations per minute			
Weight (with type N connectors)	9 ounces		20 ounces			

NOTES:

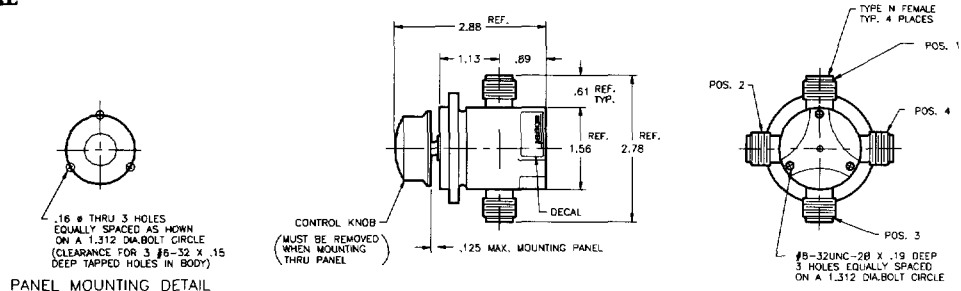
1. See page 116 to obtain average power capability vs frequency.
2. Derate peak power with altitude above 5,000 feet.

SOLENOID INPUT REQUIREMENTS

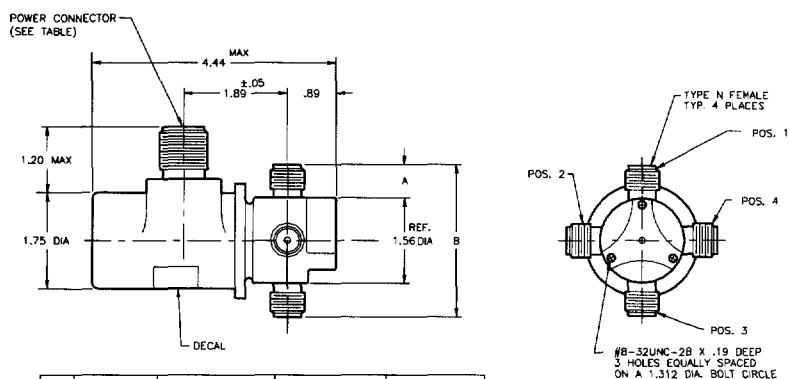
Code	Drive voltage range	Drive voltage range	Surge current max
E	24 to 32 VDC	28 VDC	2.2A
F	44 to 52 VDC	48 VDC	1.5A
G	100 to 120 VDC	110 VDC	0.7A
H	105 to 125 VAC	115 VAC	0.7A

OUTLINES

MANUAL



REMOTE



2	SFN490EL	MS3102-14S-6P	MS3106-14S-6S	28 VDC
1	SFN490E	MS3102-10SL-5P	MS3106-10SL-5S	
PART NO.	MODEL NO.	POWER CONNECTOR	MATES WITH	RATING

Connector type (female)	Model	Dimensions	
		A	B
SMA	SFM 490	.35 (0,89)	2.26 (5,74)
HN	SFH 490	.61 (1,56)	2.79 (7,09)
C	SFC 490	.53 (1,35)	2.63 (6,68)
TNC	SFT 490	.48 (1,23)	2.53 (6,43)
BNC	SFB 490	.48 (1,23)	2.53 (6,43)
N	SFN 490	.61 (1,56)	2.79 (7,09)

See page 41 for ordering code.