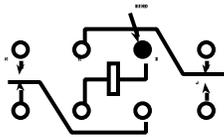


**HFW-HFW4A-HFW5A**

**STANDARD HALF SIZE  
HIGH-PERFORMANCE RELAY**

**QUALIFIED TO MIL-R-39016/6**



TERMINAL VIEW

**FEATURES**

- Hermetically sealed
- Up to 5 amps switching
- High shock & vibration ratings
- Optional terminals & mounting styles
- Excellent RF switching

**ELECTRICAL CHARACTERISTICS**

**CONTACT ARRANGEMENT**

2 Form C (DPDT)

**CONTACT MATERIAL**

Stationary:  
Hardened silver alloy

Moveable:

Gold plated hardened silver alloy

**CONTACT RESISTANCE**

Before Life: 50 milliohms max.  
(measured at 10 mA @ 6 Vdc)

After Life: 100 milliohms max.  
(measured @ 2 A @ 28 Vdc)

**MECHANICAL LIFE EXPECTANCY**

50 million operations

**COIL VOLTAGE**

5 to 48 Vdc

**COIL POWER**

1.4 watts max. @ 25°C

**DUTY CYCLE**

Continuous

**PICK-UP VOLTAGE**

Approximately 50% of nominal coil voltage

**PICK-UP SENSITIVITY**

145 to 260 mW (HFW)

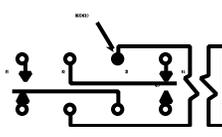
325 mW (HMB)

100 to 125 mW (HMS)

**HMB**

**BIFILAR HALF SIZE  
HIGH-PERFORMANCE RELAY**

**QUALIFIED TO MIL-R-39016/22**



TERMINAL VIEW

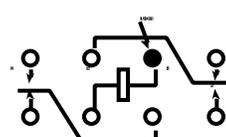
**FEATURES**

- Hermetically sealed
- Up to 2 amps switching
- High shock & vibration ratings
- Optional terminals & mounting styles
- Excellent RF switching

**HMS**

**SENSITIVE HALF SIZE  
HIGH-PERFORMANCE RELAY**

**QUALIFIED TO MIL-R-39016/44**



TERMINAL VIEW

**FEATURES**

- Hermetically sealed
- Up to 2 amps switching
- High shock & vibration ratings
- Optional terminals & mounting styles
- Excellent RF switching

**CONTACT RATINGS**

	CONTACT LOAD	TYPE	OPERATIONS MIN.
<b>HFW4A</b>	2 A @ 28 Vdc	Resistive	100,000
	4 A @ 28 Vdc	Resistive	100,000
<b>HFW5A</b>	5 A @ 28 Vdc	Resistive	100,000
	0.75 A @ 28 Vdc	Inductive (200mH)	100,000
	0.3 A @ 115 Vac, 60 Hz & 400 Hz	Resistive	100,000
	0.1 A @ 28 Vdc	Intermediate	50,000
	0.160 A @ 28 Vdc	Lamp	100,000
	30 µA @ 50 mVdc	Low Level	1,000,000

**RF PERFORMANCE**

FREQUENCY (MHz)	RF LOSSES (dB)	VSWR	ISOLATION (dB)
100	0.1	1.17:1	40
500	0.3	1.19:1	28
1000	0.4	1.19:1	23