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Transfer Electromechanical Relay Failsafe Switch DC to 40 GHz, 2M Lifecycles, 2.92mm, 5 Watts, 28V, Indicators, TTL, Diodes, Solder Pins

The FMSW6482 is a Transfer electromechanical relay switch that operates across a wide frequency range from DC to 40 GHz and can handle up to 5 Watts of average power in a break before make condition. The 50 Ohm design is rated for 2 million lifecycles and features a Failsafe Actuator. Additional features include TTL logic control, suppression diodes which limit voltage spikes or reverse current, and Indicators to monitor the switch position. Impressive typical performance includes 0.5 dB insertion loss and isolation greater than 85 dB. This switch requires +28Vdc bias voltage and operates over a temperature range of -25°C to +65°C. The rugged and compact package assembly supports 2.92mm female connectors and solder terminal pins for DC command control functions. And for highly reliable operation, the model is guaranteed to meet MIL-STD-202 environmental test conditions for shock and random vibration.

Electrical Specification Switch Type Actuator Type Actuator Options TTL Control	F J C	Transfe ailsafe indicate on: 2.4	r		
Description	Min	Тур	Мах	Uni	ts
Frequency Range	DC		40	GH	7

Frequency Range	DC		40	GHz
Operating Voltage		+28		Volts
Actuating Current @ +28 \	/olts		160	mA
VSWR		1.4:1	1.8:1	
Insertion Loss		0.5	1	dB
Isolation	50	85		dB
Input Power (CW) (at 40 GHz)			5	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC - 6	6 - 12.4	12.4 - 26.5	26.5 - 40		GHz
VSWR, Max	1.2:1	1.3:1	1.4:1	1.8:1		
Insertion Loss, Max	0.2	0.4	0.7	1		dB
Isolation, Min	85	80	65	50		dB

Mechanical Specifications

Size Length Width/Diameter Height Weight

2 in [50.8 mm] 2.16 in [54.86 mm] 1.26 in [32 mm] 0.4 lbs [181.44 g]





Features:

- Transfer Electromechanical Relay Switch
- DC to 40 GHz Frequency Range
- Failsafe Actuator
- TTL Logic Control
- Suppression Diodes
- Indicators
- 2M Lifecycle Rating
- Insertion Loss 0.5 dB typ
- Isolation > 85 dB typ
- VSWR as low as 1.2:1 max
- +28 Volt DC Bias
- Solder Terminal Pins for all Command Control Functions
- 2.92mm Female Connectors
- -25°C to +65°C Operating Temperature
- Up to 5 Watt Average Power Handling
- 50 Ohm Design
- Hot Switching Capability
 Consult Factory
- S-Parameter Data
- available upon requestRugged Design meets Mil-
- STD-202 Test Conditions

Applications:

- Aerospace & Defense
- Test & Measurement
- Microwave Radio Systems
- Military & Commercial Communication Systems
- Research & Development
- SATCOM
- Wireless Communications
- Enterprise
- IoT

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





Connectors	
RF Connector Ty	/pe

2.92mm Female

Environmental Specifications

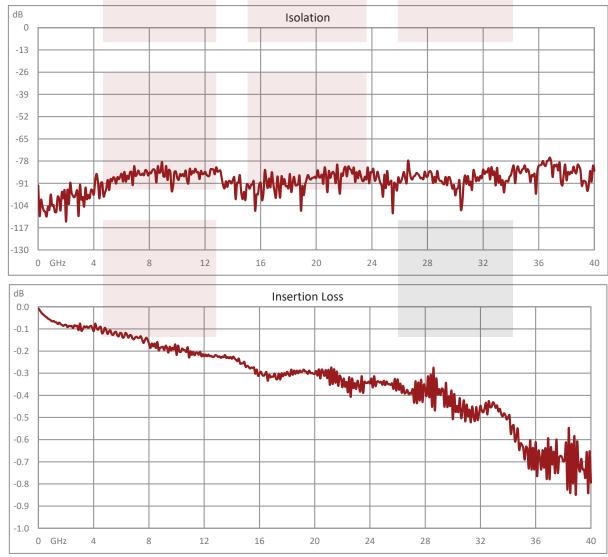
Operating Range	-25 to +65 deg C
Storage Range	-55 to +100 deg C
Shock	MIL-STD-202 Method 213, Condition D, 500G (non oper)
Vibration	MIL-STD-202 Method 204, Condition D, 10G RMS (non oper)

Compliance Certifications (see product page for current document)

Plotted and Other Data

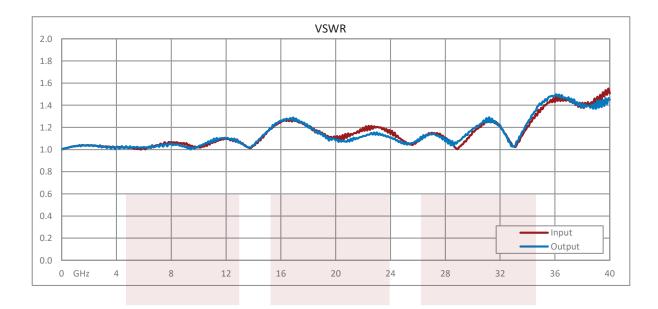
Notes:

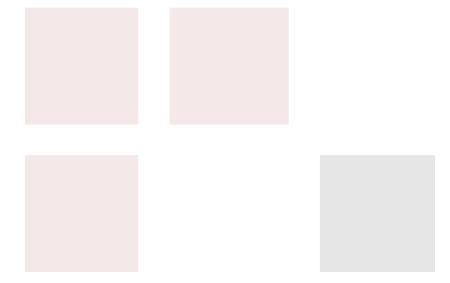
Typical Performance Data







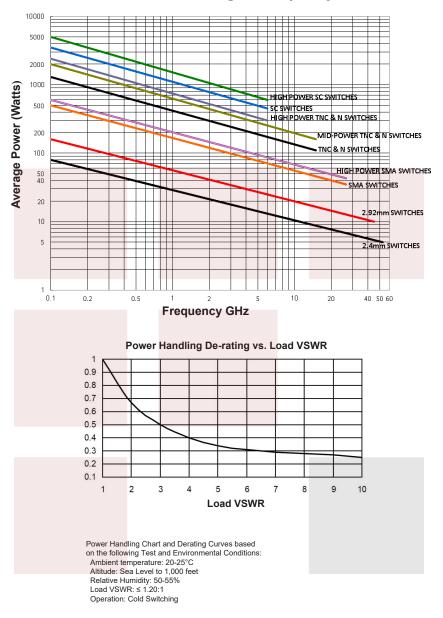








Power Handling vs. Frequency



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Transfer Electromechanical Relay Failsafe Switch DC to 40 GHz, 2M Lifecycles, 2.92mm, 5 Watts, 28V, Indicators, TTL, Diodes, Solder Pins from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: Transfer Electromechanical Relay Failsafe Switch DC to 40 GHz, 2M Lifecycles, 2.92mm, 5 Watts, 28V, Indicators, TTL, Diodes, Solder Pins FMSW6482

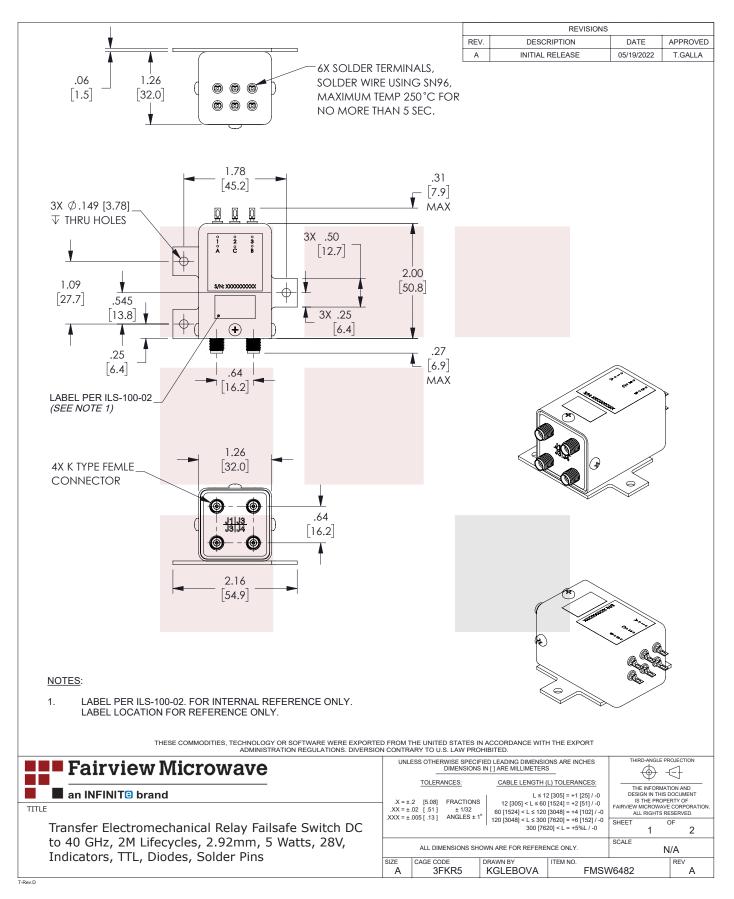
URL: https://www.fairviewmicrowave.com/transfer-failsafe-40-ghz-electro-mechanical-relay-switch-indicators-5w-28v-2.92mm-fmsw6482-p.aspx

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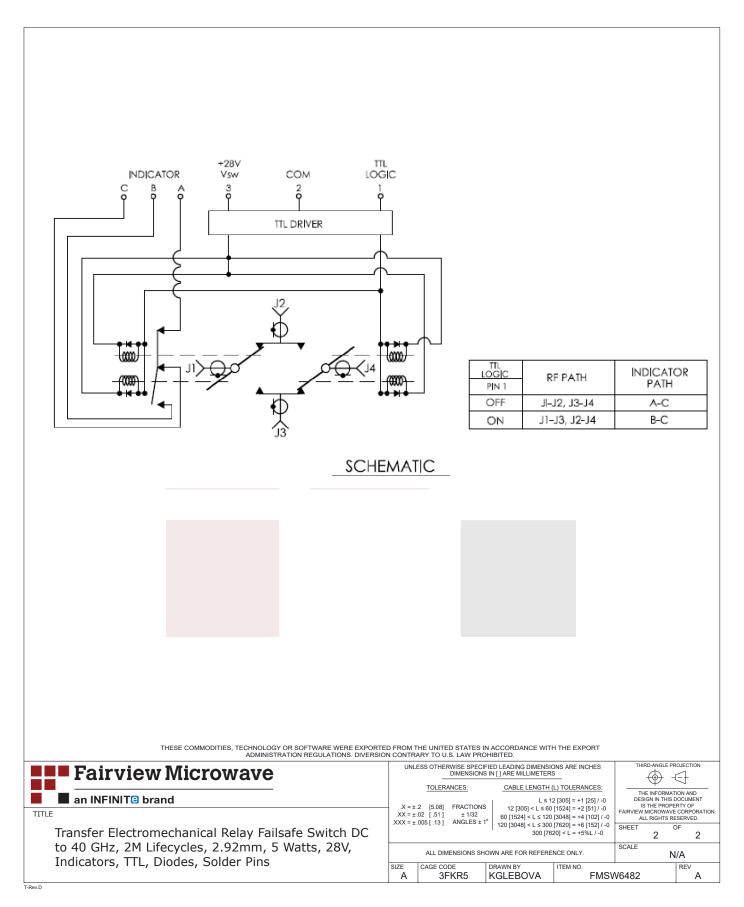
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FMSW6482 DATA SHEET