

**Log Detector With SMA Female to SMA Female and Positive Video Out Operating From 10 MHz to 3 GHz**

**Electrical Specifications**

Description	Min	Typ	Max	Unit
Frequency Range	10 MHz		3 GHz	
Input Power			+10	dBm
Dynamic Range	50			dBm
Slew Rate		1		V/us
Output Current			10	mA

**Typical (or Max) Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01 to 1	1 to 2	2 to 3			GHz
Input Return Loss	-15	-10	-8			dB
Slope	41	40	37			mV/dB
3rd Intercept Point	-54	-51	-50			dBm
Output Voltage (Max)	2.1	2.1	2			dB

**Mechanical Specifications**

**Size**

Length	2.18 in [55.37 mm]
Width/Dia.	1.18 in [29.97 mm]
Height	0.49 in [12.45 mm]
Weight	0.079 lbs [35.83 g]

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level



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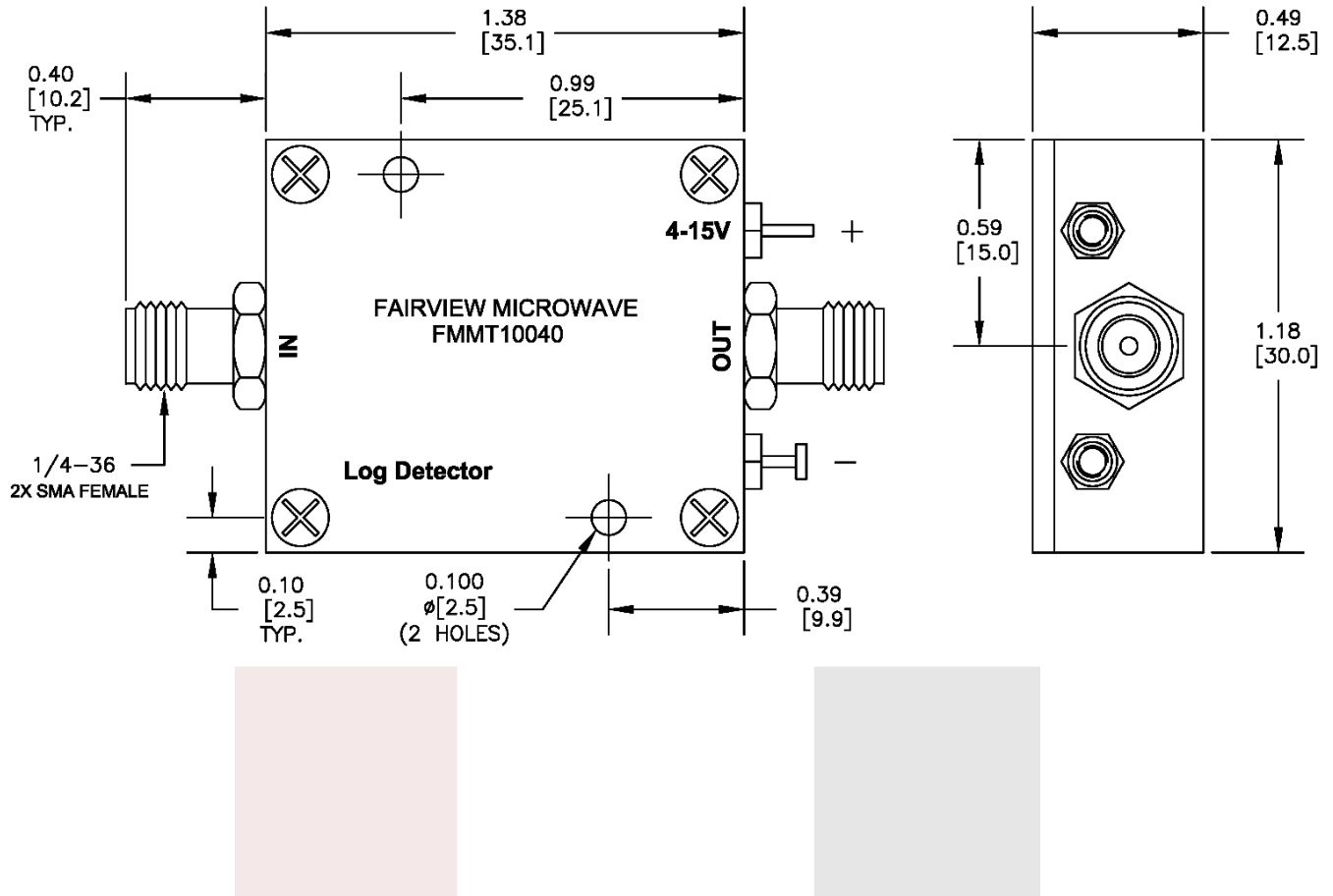
Log Detector With SMA Female to SMA Female and Positive Video Out Operating From 10 MHz to 3 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Log Detector With SMA Female to SMA Female and Positive Video Out Operating From 10 MHz to 3 GHz FMMT10040](#)

URL: <https://www.fairviewmicrowave.com/log-detector-sma-female-10-mhz-3-ghz-fmmt10040-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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TITLE Log Detector With SMA Female to SMA Female and Positive Video Out Operating From 10 MHz to 3 GHz		DWG NO FMMT10040		CAGE CODE 3FKR5		
CAD FILE	110717	SHEET	1 OF 1	SCALE	N/A	SIZE A 7361