

Key Features:

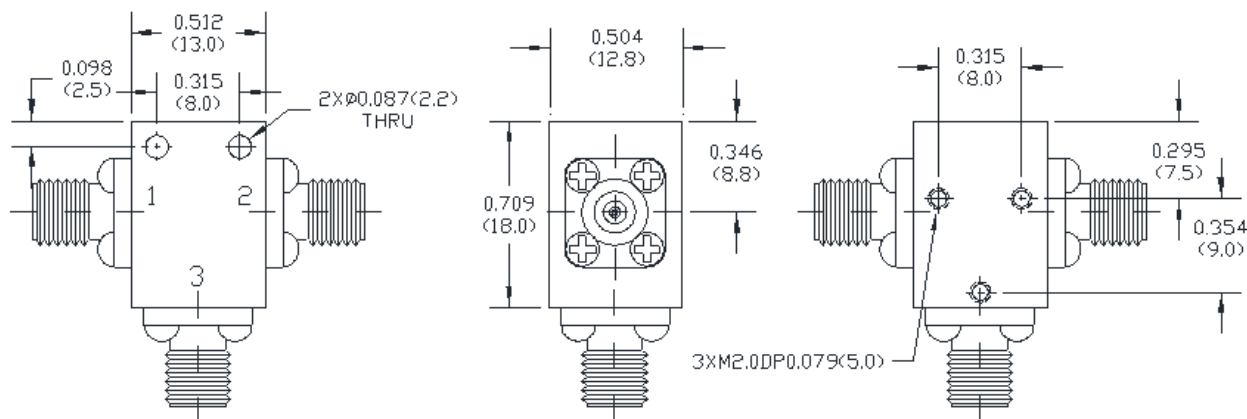
- Full K-band operation from 18.0 to 26.5GHz
- 50 ohm 2.92mm(K) female coaxial connectors
- 10 Watts CW power handling capability
- -40~+85°C operating temperature range
- Weight 58 grams (2.0 OZ)

Description:

F2750U-2225-38 is a single junction K-band coaxial circulator with 2.92mm female coaxial connectors operating in the frequency range from 18.0 to 26.5GHz and offers 1.5dB maximum insertion loss and 14dB reverse isolation at room temperature,. The power rating of this device is 10 watts CW.

Electrical Specifications

No.	Parameters	Units	Specifications		
			Minimum	Typical	Maximum
1	Frequency Range	GHz	18.0		26.5
2	Insertion Loss @ Room temp.	dB			1.1
2A	Insertion Loss over temp.				1.2
3	Reverse Isolation @ room temp.	dB	14.5		
3A	Reverse Isolation over temp.		14.0		
4	VSWR @ room temp.(Return loss)	-	-	-	1.60:1(-12.7)
4A	VSWR over temp.(Return loss)				1.80:1(-10.9)
5	Forward Power CW	Watts			10
6	Operating Temperature	°C	-40		+85
7	Impedance	Ω		50	
8	RF Connectors	-	SMA Female		
9	Signal Flow Direction	-	From Port 1 to Port 2 to Port 3		

Mechanical Structure:

Note: All units in inches (mm).



BROADBAND COAXIAL CIRCULATOR

F2750U-2225-38

Revision History:

Revision	Date	Description	Comments
A00	06/27/2025	Initial Release	