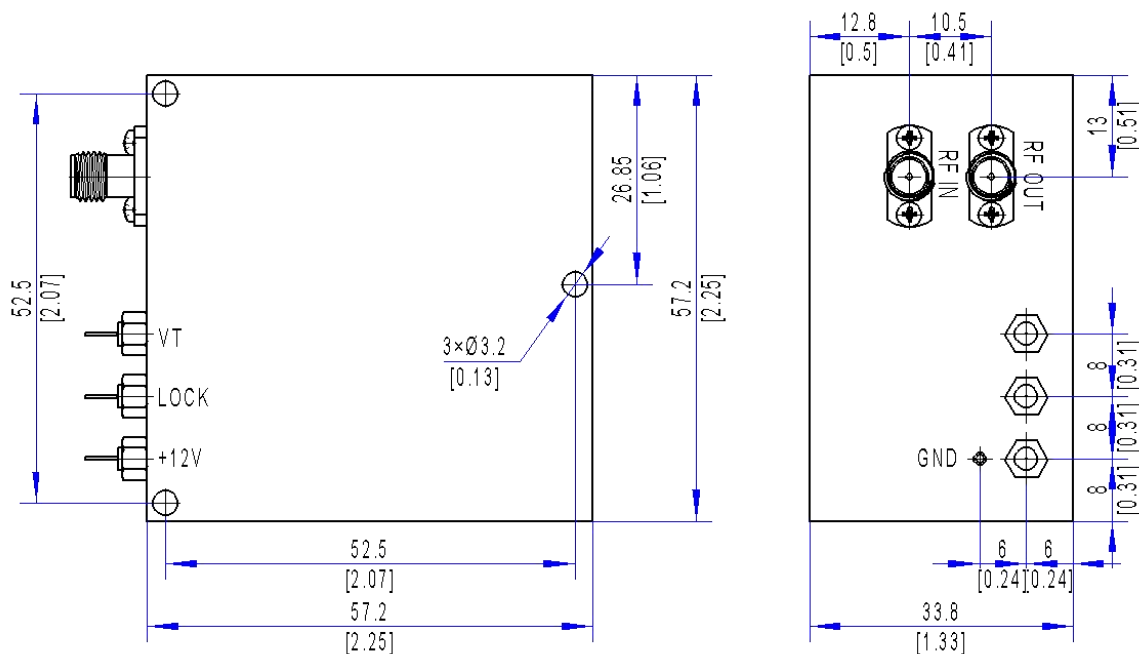


FSPDRO-25-10E

Frequency Sources, PLDRO, 25GHz, 10MHz, External Reference

Electrical Specifications					
1	Output Freq.	25 GHz	8	Phase Noise	$\leq -115\text{dBc/Hz}@10\text{KHz}$
2	Output Power	$\geq 10\text{dBm}$			$\leq -115\text{dBc/Hz}@100\text{KHz}$
3	Input Power	$0\pm 3\text{dBm}$			$\leq -130\text{dBc/Hz}@1\text{MHz}$
4	Ref. Freq.	10 MHz	9	Spurious	$\leq -70\text{dBc}@ \pm (10\text{MHz to } 1\text{GHz})$
5	Ref. Freq.	$\leq -150\text{dBc/Hz}@1\text{KHz}$	10	Harmonics	$\leq -25\text{dBc}(@12.5\text{GHz}, @37.5\text{GHz})$
	Phase Noise	$\leq -155\text{dBc/Hz}@10\text{KHz}$	11	Voltage	$+12\pm 1\text{V}$
6	Ref. Mode	External	12	Current	$\leq 700\text{ mA}(\text{Initial}); \leq 450\text{ mA}(\text{Stable})$
7	Output VSWR	$\leq 1.8:1$	13	Lock indicator	TTL, H: Lock, L: Unlock
8	Phase Noise	$\leq -105\text{dBc/Hz}@1\text{KHz}$			
Environmental Specifications					
1	Operating Temperature	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$			
2	Storage Temperature	$-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$			
Mechanical Specifications					
1	RF Connectors	SMA-Female			
2	DC Connectors	Filtered Feedthru			
3	Dimensions ¹	57.2*57.2*33.8mm[2.25*2.25*1.33in]			

Outline Drawing (Units: mm/[inch], Tolerance: $\pm 0.3\text{mm}$)



Note 1: Excluding Connector size