

722C-x Series

High Contrast RF Driver



0112

The 722C series of High Extinction, Digital Modulation Drivers are compatible with Isomet 80MHz AO modulators and Frequency shifters. These driver are designed for >60dB On:Off ratio at the RF output.

These drivers include a crystal oscillator, RF switch, mixer, and power amplifier stage.

Efficient heat transfer from the driver is required. The mounting base must be attached to an external heat sink not exceeding a temperature of 70°C. The DC input is not internally regulated.

SPECIFICATIONS

Output impedance:	50Ω Nominal
Load Mismatch VSWR:	2:1 Max
Digital Input:	TTL compatible > 2.7V = RF ON, < 0.8V = RF OFF (10mA input current)
On:Off Extinction ratio:	60dB minimum, 63dB typical
Frequency Accuracy:	± 25ppm
Frequency Stability:	± 25ppm
DC Power Input:	
722C-L	+15Vdc regulated to ± 1%, < 400mA
722C-2	+24/+28Vdc regulated to ± 1%, < 500mA
Temperature Range:	0°C to 60°C ambient, temperature at mounting face must not exceed 60°C.
Mounting Orientation:	Any
Dimensions:	See Outline, reverse side.

PERFORMANCE

Model	Centre Frequency	Minimum Rise Time	RF Drive Power	Supply
722C-L	80MHz	6nsec	>1.3 W	+15V
722C-2	80MHz	6nsec	>2.0 W	+24V

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

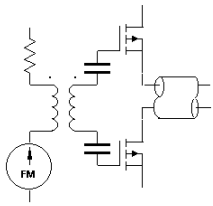
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Quality Assured.

In-house: RF & Digital design
Software Development
OEM manufacture

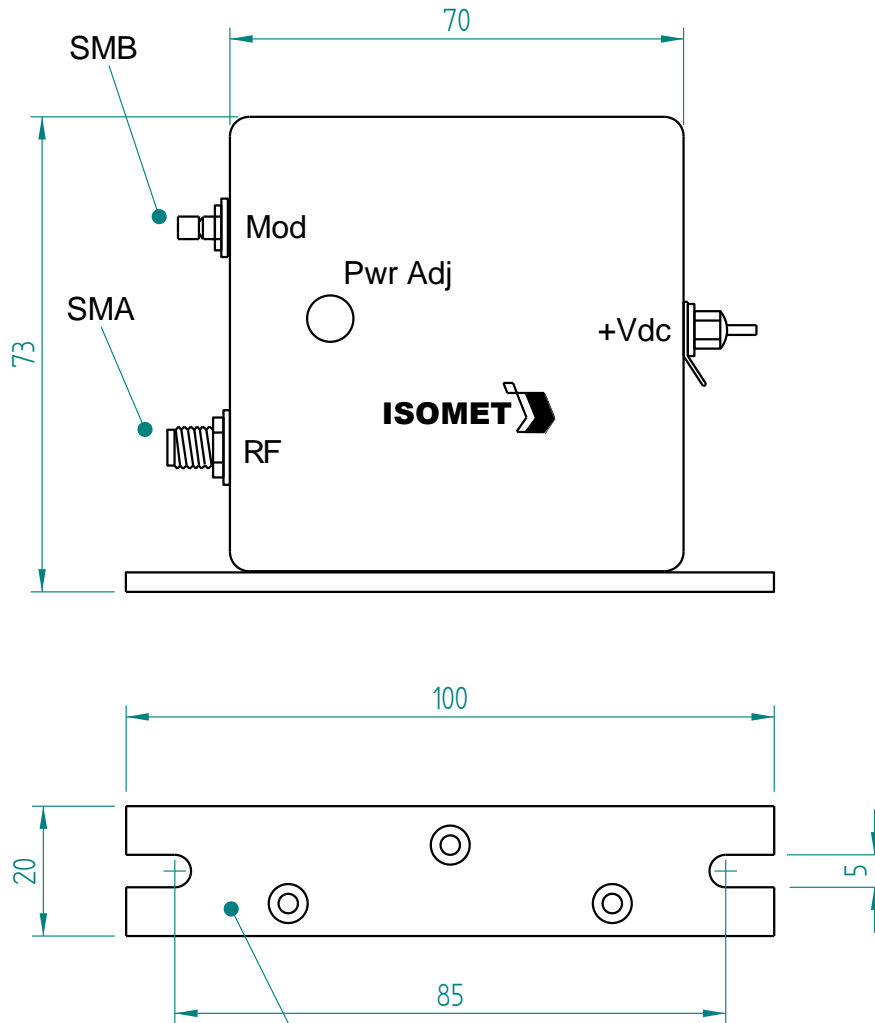


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OUTLINE DRAWING



Mounting Flange to Heatsink
Apply Thermal Compound
Max. Temp 70deg C

Dim'n : mm

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