

723C-x Series

High Contrast RF Driver



0108

The 723C series of High Extinction, Digital Modulation Drivers are compatible with Isomet 110MHz AO modulators and Frequency shifters. These drivers are designed for >60dB On:Off ratio at the RF output.

Contained in these Drivers is a crystal oscillator, RF switch, mixer, and RF 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
RF On-Off Ratio:	>40dB
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:	± 0.01%
Frequency Stability:	± 0.01%
DC Power Input:	
723C-L	+15Vdc regulated to ± 1%, < 400mA
723C-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
723C-L	110MHz	6nsec	>1.2 W	+15V
723C-2	110MHz	6nsec	>1.9 W	+24V

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

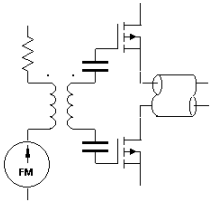
ISOMET CORP, 5263 Port Royal Rd, Springfield, VA 22151, USA.

Tel: (703) 321 8301 Fax: (703) 321 8546

E-mail: ISOMET@ISOMET.COM Web Page: WWW.ISOMET.COM

Quality Assured.

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

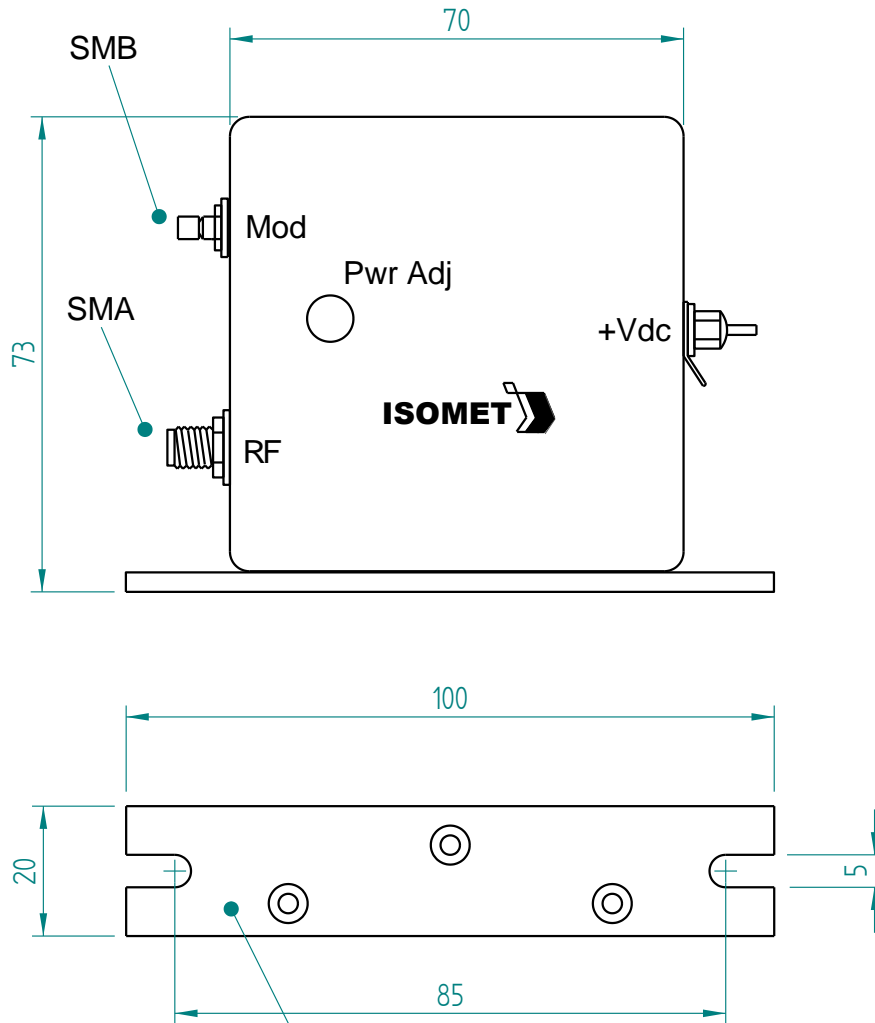


723C-x Series High Contrast RF Driver



0108

OUTLINE DRAWING



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

Dim'n : mm

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ISOMET CORP, 5263 Port Royal Rd, Springfield, VA 22151, USA.

Tel: (703) 321 8301 Fax: (703) 321 8546

E-mail: ISOMET@ISOMET.COM Web Page: WWW.ISOMET.COM

Quality Assured.

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