

Isotec-3 Range-Selection

Definition:

Iz = Input current in milli-Amps at Low-end of range.
 Is = Input current in milli-Amps at High-end of range.
 Voz = Output voltage in Volts at Low-end of range.
 Vos = Output voltage in Volts at High-end of range.

For Vos < 5 Volts set F2 = Short

For Vos > 5 Volts set F2 = Open

F2 = flash pad located on print-side should be soldered or desoldered respectively (See figure A).

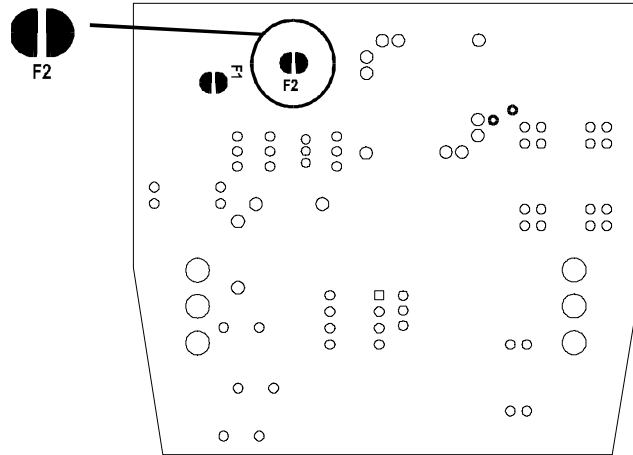


FIGURE A:
(Print side)

Calculate:

$$R_z \text{ (k}\Omega\text{)} = 1000 R_s / (5I_z - R_s V_{oz})$$

$$R_s \text{ (k}\Omega\text{)} = 5(I_s - I_z) / (V_{os} - V_{oz})$$

In case calculations result $R_z = \infty$ use $R_z = 2M\Omega$.

Insert R_z , R_s in the plug-in sockets shown in figure B.

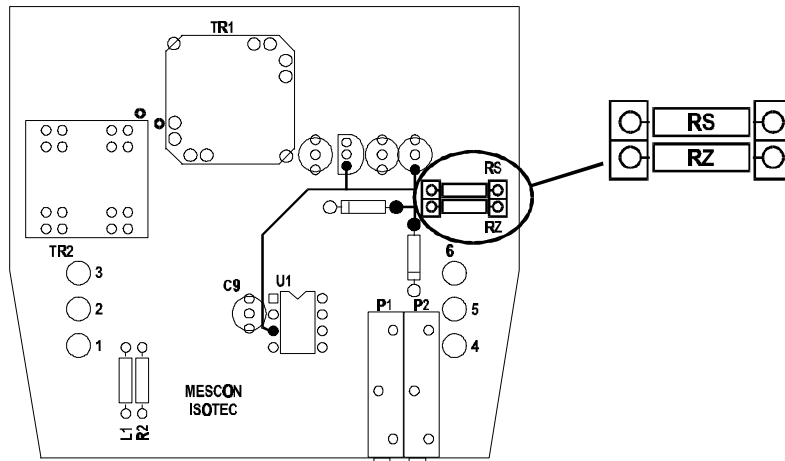


FIGURE B:
(Component side)

The unit should be calibrated by Zero/Span potentiometer adjustment.

U.O.S ALL DIMENSIONS ARE IN mm
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REV	DESCRIPTION	MEMO	DRAWN: SURPIN MARINA		DATA: 03.01.99
			CHECKED:		
			APPROVED: BOLURIAN ITZIK		DATA: 03.01.99
			TITLE:		
			DRAWING STATUS	DRAWING NUMBER	REV
			__PRELIMINARY		
			__ENGINEERING	SHEET OF SHEETS	
			__PRODUCTION		