

FIXED MAGNITUDE MISMATCH 110 to 1300 MHz



ELS

MODEL NO.	FREQUENCY RANGE (MHz) f_L - f_U	INPUT POWER (dBm)	PHASE RANGE (Degrees)	RETURN LOSS (dB)	CONTROL VOLTAGE (V)	CASE STYLE	CONNECTION	PRICE \$
		Max.	Min.	Typ.				
NEW ▲ ELS-210	110-210	10	360	10-12	0.5-25	K18	mv	149.95
NEW ▲ ELS-450	180-450	10	360	10-12	0.5-25	K18	mv	149.95
NEW ▲ ELS-950	400-950	10	360	10-12	0.5-25	K18	mv	149.95
NEW ▲ ELS-1300	750-1300	10	360	10-12	1-25	K18	mv	149.95

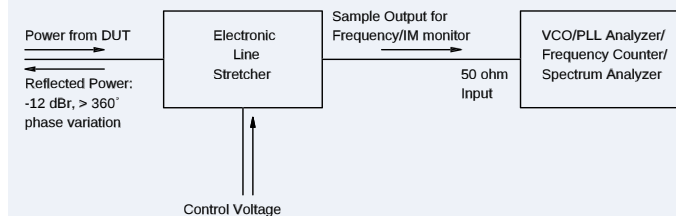
features

- over 360° phase shift of the reflected signal
- normalized and stable magnitude of the reflected signal
- voltage controlled for automated applications
- patent pending

applications

- automated load-pull measurement of oscillators
- see application note AN-45-001 on our website

application block diagram



NOTES:

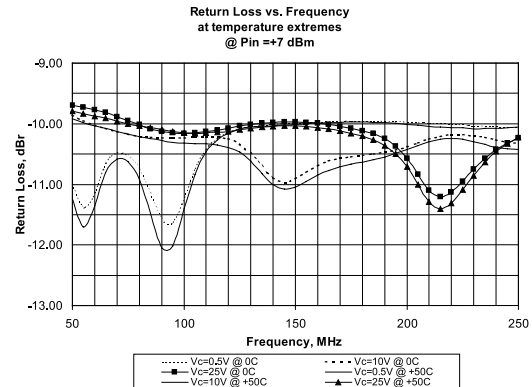
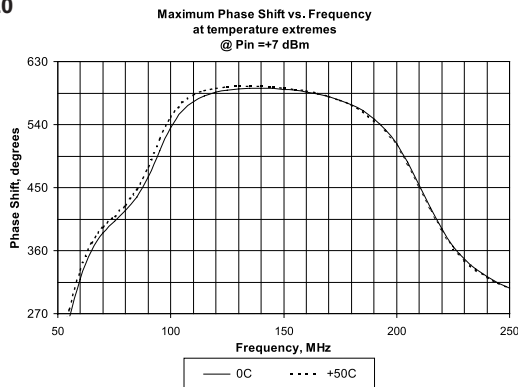
- ▲ Available only with SMA connectors
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in General Information (Section 0).
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case Styles & Outline Drawings".
- C. Prices and Specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current rating:
 - 1a. RF Input power, +13 dBm
 - 1b. Control voltage, 0.5V to 30V
- 2. Operating temperature, 0°C to 50°C
- 3. Storage temperature: -40°C to 100°C

coaxial connections

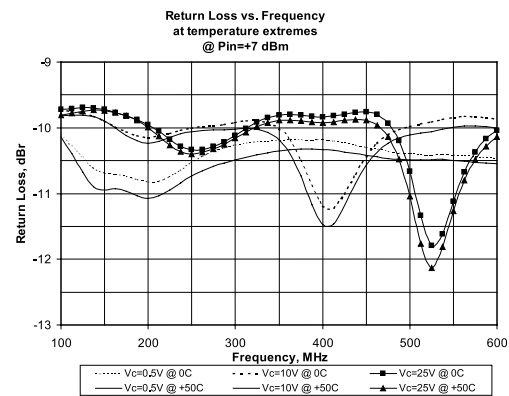
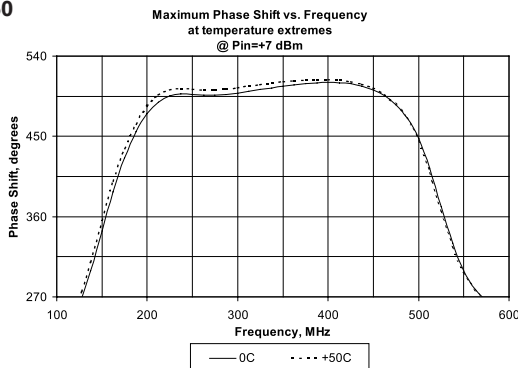
PORT	mv
RF IN	1
MONITOR OUT ¹	2
CONTROL	3

¹ Monitor out port should be connected to a 50-ohm load.

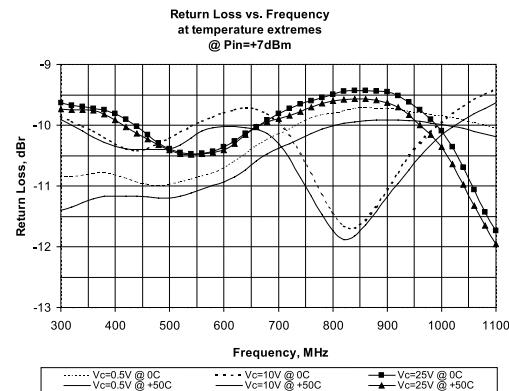
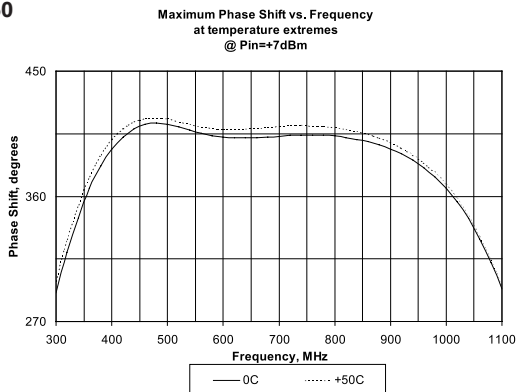
ELS-210



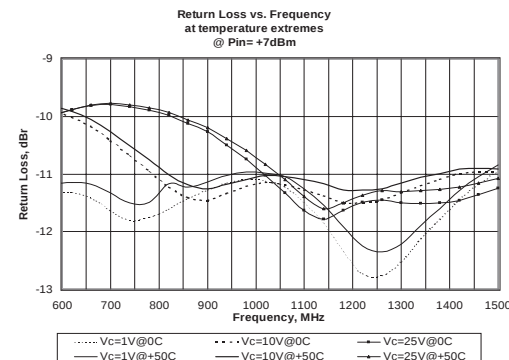
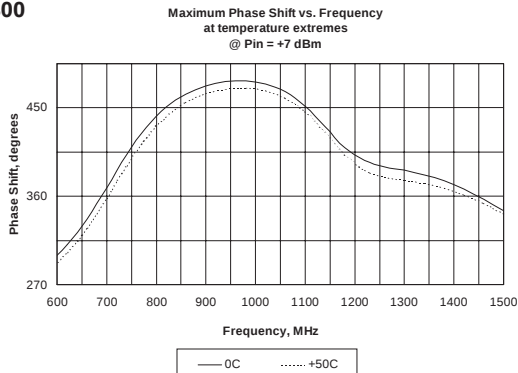
ELS-450



ELS-950



ELS-1300



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