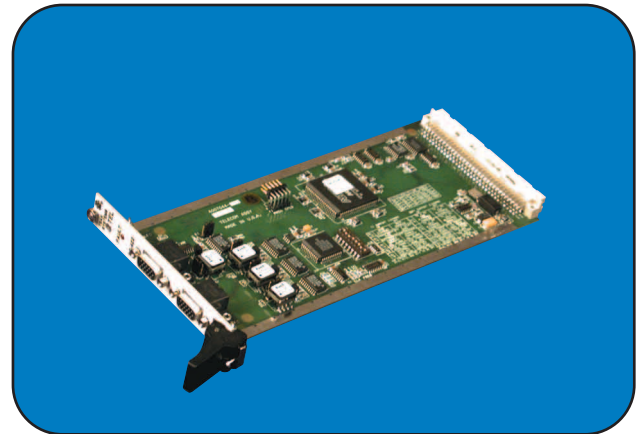


Application - Defense (Military) ■ SatCom ■ Wireless

**Description:**

The Model 9111 generates T1 or E1 clock and framed signals. Four output signals are provided in three formats; TTL, RS-422 and framed. The TTL outputs are provided on the rear panel BNC connectors, RS-422 and framed signals are provided on front panel high-density 15-pin D-sub connectors.



**Specifications:**

Format	Characteristic	T1	E1
<b>Framed</b>	Line Rate	1.544MHz	2.048MHz
	Line Code	AMI or B8ZS	AMI or HDB3
	Impedance	100 Ω	75 Ω unbalanced (coax) or 120 Ω balanced (wired pair) (factory set)
	Nominal Peak Voltage	2.4V to 3.6V	3.0V (wire pair), 2.37V (coax)
	Pulse Shape	Scaled to Template	Scaled to Template
	Nominal Pulse Width	324 ns	244 ns
	Pulse Imbalance	<0.5dB difference between total power of positive and negative pulses.	1 Negative peak = Positive peak ± 5%. 2 Positive width at nominal half amplitude = negative width at Nominal half amplitude ± 5%.
<b>RS422</b>	Connection	Front panel HD-15 Female	Front panel HD-15 Female
	Pulse Width	Square wave ± 10%	Square wave ± 10%
	Drive	120 Ω	120 Ω
<b>TTL</b>	Connection	Front panel HD-15 Female	Front panel HD-15 Female
	Pulse Width	Square wave ± 10%	Square wave ± 10%
	Drive	50 Ω	50 Ω
	Connections	Rear panel BNC	Rear panel BNC

Specifications subject to change without notice.

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