

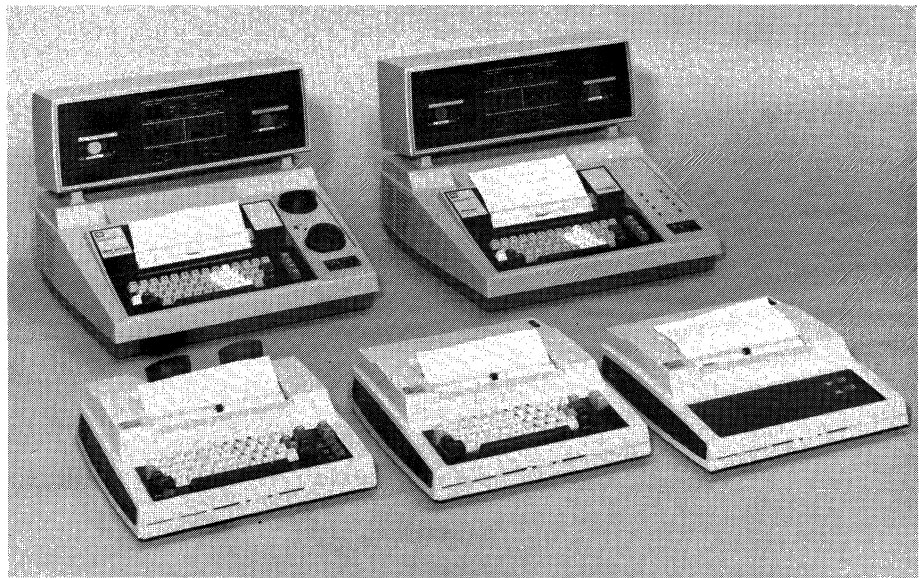
silent 700[®]
electronic data terminals



PRICE LIST

Silent 700[®] Electronic Data Terminals, Accessories and Supplies

Effective January 1, 1977



Domestic U.S. Prices Only

TEXAS INSTRUMENTS.

Model 743 Keyboard Send-Receive and Receive-Only Data Terminals

The compact Model 743 KSR or RO with USASCII code and either EIA RS-232-C serial interface or serial dc-current loop interface . . . ideal for computer input/output.



FEATURES

HIGH SPEED

Permanent records are printed at operator selectable speeds of 10 and 30 characters per second. Increased efficiency is achieved with true 30 cps throughput, i.e., no filler required after line feed or carriage return characters.

QUIET OPERATION

TI's unique solid state printhead develops characters on thermal sensitive paper and eliminates the undesirable noise associated with impact printing.

MICROPROCESSOR RELIABILITY

TI microprocessor, MOS/LSI integrated circuits, solid state printhead, and a minimum of moving parts are keys to performance and reliable, long life operation.

STANDARD FEATURES

5 x 7 dot matrix with print contract control

Switch-selectable half or full duplex operation

EIA RS-232-C serial interface or serial dc-current loop interface; specify at purchase.

If EIA interface is selected, specify whether bell 103A or bell 113A cable is required.

Standard ASCII keyboard with calculator-type embedded numeric key pad and two key roll-over.

OPTIONAL FEATURES

Answerback Memory – Factory set, read-only memory transmits serially up to 21 USASCII characters as a *station identification*. The answerback memory is activated locally by the HERE IS key and is triggered remotely via receipt of the ENQ character.

Internal Modem – Built-in 300 baud Bell 100 Series compatible modem (*originate* mode) enables communication via switched telephone network.

Full ASCII Keyboard – Standard Model 745 will decode and print lower

case data received from the communications line. The Full ASCII Keyboard option enables the user to generate lower case data from the keyboard for direct transmission.

Auxiliary EIA Interface Cable Kit – Kit enables operation of the Model 743 with such external devices as modems, acoustic couplers, data loggers, cassette recorders, minicomputers, etc. Available only when optional internal modem is installed.

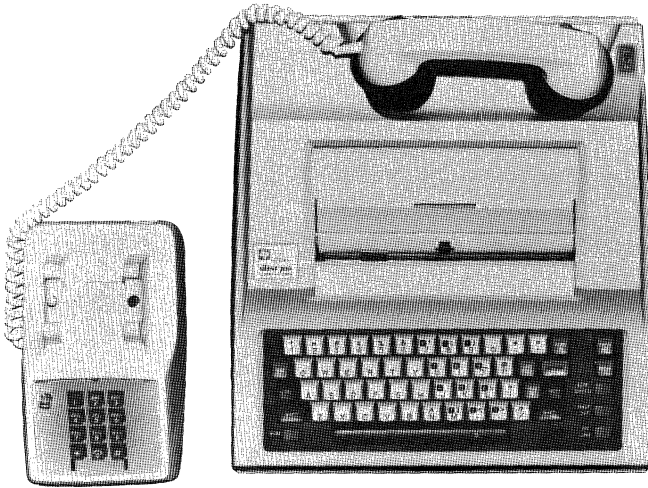
Receive Only Keyboard – Replacing the standard keyboard, a modified front panel incorporates only paper advance and speed select switches.

	PURCHASE LIST PRICE \$	BASE MONTHLY MAINTENANCE RATE ⁽¹⁾		LEASE RATES/MONTH (Includes Maintenance)			
		Monthly Billing \$	Annual Billing \$	12-Mo. Lease \$	24-Mo. Lease \$	36-Mo. Lease \$	48-Mo. Lease \$
Keyboard Send-Receive (KSR)	1395	17.50	16	85	75	70	65
Receive only (RO)	1195	17.50	16	—	—	—	—

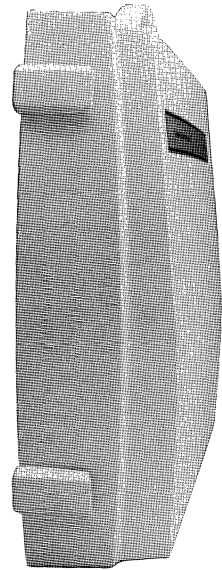
OPTIONS	FACTORY INSTALLED		FIELD INSTALLED ⁽³⁾	
	Purchase Adder \$	Lease Adder \$	Purchase Adder \$	Lease Adder \$
Upper-lower case alphabet (KSR)	100	5	150	5
300 baud built-in Modem (Originate—KSR)	195	8	Note 2	Note 2
Answer-back memory	75	5	75	5

Notes (1), (2) & (3) are listed on inside back page.

Model 745 Portable Data Terminal



Access to your home office computer can be as close as the nearest telephone and electrical outlet . . . *anywhere*. At just 13 pounds, the Model 745 Portable Data Terminal has that *briefcase mobility* which enables you to get the right information on-the-spot . . . when it counts.



FEATURES

HIGH SPEED

Permanent records are printed at operator selectable speeds of 10 and 30 characters per second. Increased efficiency is achieved with true 30 cps throughput, i.e., no filler characters required after line feed or carriage return characters.

QUIET OPERATION

TI's unique solid state printhead develops characters on thermal sensitive paper and eliminates the undesirable noise associated with impact printing.

MICROPROCESSOR RELIABILITY

TI microprocessor, MOS/LSI integrated circuits, solid state printhead, and a minimum of moving parts are keys to performance and reliable, long life operation.

STANDARD FEATURES

- 5 x 7 dot matrix with print contrast control
- Built-in solid state acoustic coupler for communication via switched telephone network
- Switch-selectable half or full duplex
- Briefcase-like carrying case

- Standard ASCII keyboard with calculator-type embedded numeric keypad and two key roll-over feature.

OPTIONAL FEATURES

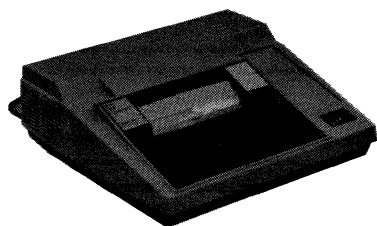
- **AUXILIARY EIA INTERFACE CABLE KIT** — Enables operation of the Model 745 with such external devices as modems, data loggers, cassette recorders, minicomputers, etc., as well as in its standard configuration.
- **ANSWERBACK MEMORY** — Factory set, read-only memory transmits serially up to 21 USASCII characters as a *station identification*. The answerback memory is activated locally by the HERE IS key and is triggered remotely via receipt of the ENQ character.
- **FULL ASCII KEYBOARD** — Standard Model 745 will decode and print lower case data received from the communications line. The Full ASCII Keyboard option enables the user to generate lower case data from the keyboard for direct transmission. The option provides an UPPER CASE ONLY key which prevents the Full ASCII Keyboard from generating lower case data for those applications where the user does not desire lower case.

PURCHASE LIST PRICE \$	BASE MONTHLY MAINTENANCE RATE ⁽¹⁾		LEASE RATES/MONTH (Includes Maintenance)			
	Monthly Billing \$	Annual Billing \$	12-Mo. Lease \$	24-Mo. Lease \$	36-Mo. Lease \$	48-Mo. Lease \$
1995	17.50	16	125	115	105	100

OPTIONS	FACTORY INSTALLED		FIELD INSTALLED (3)	
	Purchase Adder \$	Lease Adder \$	Purchase Adder \$	Lease Adder \$
Upper-lower case keyboard	100	5	150	5
Answer-back memory	75	5	75	5

Notes (1), (2) & (3) are listed on inside back page.

Models 732 and 733 Data Terminals



RO Model 732 RO with BAUDOT/CCITT code and Model 733 RO with USASCII code . . . RO models that can be easily upgraded to KSR models.

ASR Model 732 ASR with BAUDOT/CCITT code and Model 733 ASR with USASCII code . . . available with single or twin magnetic tape cassettes.

KSR Model 732 KSR with BAUDOT/CCITT code and Model 733 KSR with USASCII code . . . KSR models that can be easily upgraded to ASR models.

Models 732 with BAUDOT/CCITT code and EIA RS-232-C serial interface	PURCHASE LIST PRICE \$	BASE MONTHLY MAINTENANCE RATE ⁽¹⁾		LEASE RATES/MONTH (Includes Maintenance)			
		Monthly Billing \$	Annual Billing \$	12-Mo. Lease \$	24-Mo. Lease \$	36-Mo. Lease \$	48-Mo. Lease \$
Receive only (RO)	1560	17.50	16	—	—	—	—
Keyboard send-receive (KSR)	1670	20	18	90	80	75	70
Automatic send receive (ASR) with dual tape cassettes	2970	36.50	33	150	140	135	120

OPTIONS	FACTORY INSTALLED		FIELD INSTALLED ⁽³⁾	
	Purchase Adder \$	Lease Adder \$	Purchase Adder \$	Lease Adder \$
INTERFACE (Select one)				
Serial DC-Signal (Neutral)	100	5	100	5
Serial DC-Signal (Polar)	150	6	150	6
CONTROL				
Answer-back Memory	170	8	170	8
CONFIGURATION				
Single Tape Cassette (ASR model)	(240)*	(10)**	Note 2	Note 2
Conversion, KSR model to:				
• SINGLE cassette ASR model	—	—	1268***	Note 2
• DUAL cassette ASR model	—	—	1508***	Note 2
Conversion, single to dual cassette ASR model	—	—	425***	Note 2

* Deducted from Purchase List Price

** Deducted from Lease Rate

*** Includes Installation

Notes (1), (2) & (3) are listed on inside back page.

Models 733 with USASCII code and EIA RS-232-C serial interface	PURCHASE LIST PRICE \$	BASE MONTHLY MAINTENANCE RATE ⁽¹⁾		LEASE RATES/MONTH (Includes Maintenance)			
		Monthly Billing \$	Annual Billing \$	12-Mo. Lease \$	24-Mo. Lease \$	36-Mo. Lease \$	48-Mo. Lease \$
Receive only (RO)	1485	17.50	16	—	—	—	—
Keyboard send-receive (KSR)	1745	20	18	85	75	70	65
Automatic send-receive (ASR) with dual tape cassettes	3045	36.50	33	145	135	130	115

OPTIONS	FACTORY INSTALLED		FIELD INSTALLED ⁽³⁾	
	Purchase Adder \$	Lease Adder \$	Purchase Adder \$	Lease Adder \$
KEYBOARDS (select one)				
Upper-lower case alphabet (ASR/KSR)	100	5	150	5
Calculator-type embedded numeric pad (ASR)	100	5	150	5
INTERFACE (select one)				
Serial DC-signal (neutral)	100	5	100	5
Serial DC-signal (polar)	150	6	150	6
DS 100 TL (originate) or DS 100 TH (answer) 300 baud built-in modem	300	13	300	13
Built-in acoustic coupler (300 baud) (ASR/KSR)	395	20	395	20
Auto answer (300 baud) (available with DS 100 built-in modem and both 300 or 1200 baud EIA interfaces)	190	8	190	8
1200 baud transmission (ASR)	175	8	310	8
BINARY DATA FORMAT (ASR)	250	10	330	10
CONTROL				
Device control (select one)				
• Remote (ASR)	250	10	250	10
• Automatic (ASR)	110	5	110	5
Automatic Search Control (ASR)****	325	13	325	13
Answer-back memory	170	10	170	10
Foot pedal for use with either remote or automatic device control	55	3	55	3
CONFIGURATION				
Single Tape Cassette (ASR model)	(240)*	(10)**	Note 2	Note 2
Conversion, KSR model to:				
• SINGLE cassette ASR model	—	—	1268***	Note 2
• DUAL cassette ASR model	—	—	1508***	Note 2
Conversion, single to dual cassette ASR model	—	—	425***	Note 2

* Deducted from Purchase List Price

** Deducted from Lease Rate

*** Includes Installation

**** The Automatic Search Control (ASC) option is field installable in terminals that have a 14-Amp Power Supply (PN 974087); also, if ASC is to be used in a terminal that has the Automatic Device Control (ADC) or Remote Device Control (RDC) option, ADC (PN 974086) or RDC (PN 974085) is required. If the configuration requirements stated above are not met, ASC is not field installable at the listed price adders.

Notes (1), (2) & (3) are listed on inside back page.

Model 742 Programmable Data Terminal

The Model 742 features microprocessor, memory, USACII code, EIA RS-232-C serial interface, dual tape cassettes, 029-type embedded numeric keyboard, and silent thermal printing.



FEATURES

- Byte-oriented microprocessor (8 bits per byte) with 2K of random-access memory (RAM) for application programs and 8K of read-only memory for TICOL I
- Basic control programs resident in nonvolatile ROM . . . no preloading of control programs prior to loading application programs
- Completely self-supporting . . . no extra peripherals or equipment required to generate, edit, translate, and execute application programs
- Switch-selectable transmission speeds of 110, 150, 300, or 1200 baud
- Switch-selectable line protocols . . . block transmission with error checking or conventional, continuous transmission with X-ON/X-OFF control.
- identification as well as 1200-baud reverse channel operation
- Built-in Bell 202-compatible modem
- Auxiliary EIA interface for driving a peripheral device such as an impact printer
- Memory expansion which includes an additional 2K of random-access memory (RAM) for the more complex application programs and an additional 2K of read-only memory (ROM) for the more powerful TICOL II.

OPTIONAL FEATURES

- Extended communications capabilities comprehend answerback memory for positive terminal

	PURCHASE LIST PRICE \$	BASE MONTHLY MAINTENANCE RATE ⁽¹⁾		LEASE RATES/MONTH (Includes Maintenance)			
		Monthly Billing \$	Annual Billing \$	12-Mo. Lease \$	24-Mo. Lease \$	36-Mo. Lease \$	48-Mo. Lease \$
MODEL 742 PROGRAMMABLE DATA TERMINAL	4925	42	38	230	205	185	165

OPTIONS	FACTORY INSTALLED		FIELD INSTALLED ⁽³⁾	
	Purchase Adder \$	Lease Adder \$	Purchase Adder \$	Lease Adder \$
Calculator-type embedded numeric keyboard	100	5	150	5
1200 baud built-in modem	495	20	495	20
Extended communications feature	100	5	100	5
Memory expansion feature	495	20	625	20
Foot pedal	55	3	55	3

Notes (1) & (3) listed on inside back page.

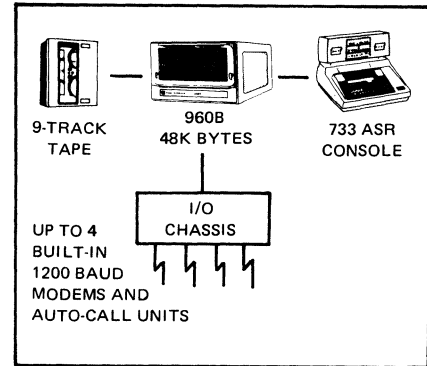
Model 700 TPS Terminal Polling System

GENERAL DESCRIPTION

The Model 700 TPS Terminal Polling System provides an efficient off-line interface between Model 742 Programmable Data Terminals and a user's central processing system. In capsule form, the following three steps show how the system works. First, remote networks of Model 742 terminals are automatically polled over dialed lines. Second, stored data are collected from the terminal cassettes and logged to magnetic tape by the TPS. And third, report data are distributed from the TPS to remote Model 742 terminals.

To provide completely automatic unattended polling during convenient after-hour periods, the TPS employs the powerful Model 960B 16-bit computer. Memory, throughput power and expansion flexibility are provided to offer a cost-effective system for polling Model 742 systems ranging in size from a few terminals to as many as 200.

To attain simple and efficient operation with a minimum of training, the TPS offers a concise operator communication language with keyboard commands to completely operate the system from the Model 733 ASR console after initial system loading.



Model 700 TPS Schematic System Diagram

BASIC SYSTEM

The TPS system consists of the following functional components:

- Model 960B CPU with 24K words of memory (48K bytes).
- Model 979 tape drive, nine-track, 800 bpi, 37.5 ips speed.
- Model 733 ASR console terminal.
- One 12-baud built-in modem with auto-call unit (202C-type modem with 801-type ACU).

PURCHASE LIST PRICE \$	BASE MONTHLY MAINTENANCE RATE ⁽¹⁾		LEASE RATES/MONTH (Includes Maintenance)			
	Monthly Billing \$	Annual Billing \$	12-Mo. Lease \$	24-Mo. Lease \$	36-Mo. Lease \$	48-Mo. Lease \$
28425	325	295	1200	1155	1115	1075

	FACTORY OR FIELD INSTALLED		FIELD INSTALLATION \$	MONTHLY MAINTENANCE ADDER \$	MAINTENANCE ADDER FOR COVERAGE OUTSIDE 100 MILES FROM A TI SERVICE CENTER \$
	Purchase Adder \$	Lease Adder \$			
Communications Module (Includes 1-1200 bps touch tone or pulse dial modem, 1-auto call unit and 1-DAA cable. A maximum of 3 Modules can be added to the basic system for 4-line capability.)	1000	50	60	10	4

Note (1) listed on inside back page.

Complete system software (for polling and distribution) and software initialization.

System installation by authorized TI Service Engineer within 100 miles of a TI Service Center during basic prime shift service hours. Installation by TI Service Engineer is required.

Monthly maintenance added to 700 TPS base maintenance rate for coverage within 100 miles from a TI Service Center. (Outside 100 miles, add \$0.15 per mile over 100 miles each way and \$40.00 per hour of travel time).

EQUIPMENT INSTALLATION

<p>EQUIPMENT Installation of equipment by an authorized TI Service Engineer is available at customer's option unless specifically noted as being included in equipment prices. During basic prime shift service hours:</p> <p>A) Base Installation Rate</p> <ul style="list-style-type: none"> • Within 100 miles of a TI Service Center \$110 per terminal • Additional terminals on the same call at the same location \$ 60 per terminal 	<p>B) Base Removal Rate</p> <ul style="list-style-type: none"> • Within 100 miles of a TI Service Center \$ 60 per terminal • Additional terminals on the same call at the same location \$ 25 per terminal <p>C) Outside 100-mile radius, add to above base rates \$0.15 per mile over 100 miles each way and \$40.00 per hour of travel time.</p>
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ACCESSORIES AND SUPPLIES

PART NUMBER	DESCRIPTION	PURCHASE PRICE (\$)
213714	Printing Paper – 8½ in. x 300 ft. Roll	
	Less Than Case Lots, 1-11 Rolls	5.75/roll
	Case Lots, 12 Rolls Per Case, 1-43 Cases	5.25/roll
	Pallet Lots, 528 Rolls Per Pallet, 1-5 Pallets	4.75/roll
	Pallet Lots, 528 Rolls Per Pallet, 6 Pallets and Up (12-month contract)	4.50/roll
	Pallet Lots, 528 Rolls Per Pallet, 6 Pallets and Up (Single ship date)	4.25/roll
972603	Printing Paper – 8½ in. x 100 ft. Roll (Models 743/745 Only)	
	Less Than Case Lots, 1-23 Rolls	2.25/roll
	Case Lots, 24 Rolls Per Case, 1-43 Cases	2.00/roll
	Pallet Lots, 1056 Rolls Per Pallet, 1-5 Pallets	1.90/roll
	Pallet Lots, 1056 Rolls Per Pallet, 6 Pallets and Up (12-month contract)	1.75/roll
	Pallet Lots, 1056 Rolls Per Pallet, 6 Pallets and Up (Single ship date)	1.60/roll
971409	Shipping Case with Casters for Model 732/733 KSR, 732/733 RO, 742 Terminals	175.00
971408	Shipping Case for Model 732/733 ASR, 742 Cassette Transport Unit	75.00
960333	Tape Cassette with 300 ft. digital grade magnetic tape	6.95
974021	Utility Tape Cassette for Model 742	50.00
981336	Stand for all Terminal Models, 24" x 30" Top	150.00
960129	Maintenance Manual for Models 732/733	15.00
984025	Maintenance Manual for Models 743/745	15.00
969637	Maintenance Manual for Models 735/754/755	15.00
974010	Supplemental Maintenance Manual for Model 742 (supplements PN 960129 listed above)	15.00
974014	System Manual for Model 742	10.00
974011	Programming Manual for Model 742	10.00
974012	Model 742 Programmer's Starter Kit (includes blank cassette tapes, Utility Tape, Programming Manual, Reference Cards and Coding Sheets)	75.00
969589	External Interface Cable Kit for Model 735	25.00
973254	EIA Coupler Cable Kit for 732 and 733 ASR/KSR with Built-In Acoustic Coupler	25.00
971558	Bell 113A Cable for 733 ASR/KSR/RO	
	Shipped with terminal 8.20 Shipped as kit 30.00	
973265	Auxiliary EIA Cable for Model 742	35.00
983855	Auxiliary EIA Interface Cable Kit for Model 743 with Built-In Modem	50.00
983856	Auxiliary EIA Interface Cable Kit for Model 745	50.00
	Additional Cables for Model 743	
983848	Bell 103A Cable	25.00
983854	Bell 113A Cable	25.00
983850	dc-Current Loop Cable	25.00

NOTES

- 1 — Maintenance contract provides all travel, labor, and material expense to maintain *Silent 700* series data terminals during basic print shift hours (8:00 a.m. to 5:00 p.m.), Monday through Friday, excluding TI recognized local holidays.
Base maintenance rates and lease rates include basic prime shift service for equipment located within 100-mile radius of a TI Service Center. Coverage outside the 100-mile radius is available at an additional \$20.00 per month per terminal and \$56.00 per month for the 700 TPS.
For Maintenance Contracts Purchased Prior to Shipment:
 - A) Billable in fifth month after original shipment date, including zone adder for first four months (if applicable).
 - B) Renewable every twelve months after original shipment date.For Maintenance Contracts Purchased After Equipment Shipped:
 - A) Equipment must be inspected and refurbished, if required, at TI Standard Service Rates.
 - B) Billable after date accepted by TI for maintenance coverage; renewable every twelve months thereafter.
- 2 — Option is not field-installed in equipment.
- 3 — OPTIONS: Prices for field upgradable options do not include installation, which is at customer's option on purchased equipment. Unless otherwise noted, installation by an authorized TI Service Engineer is required on leased equipment. During basic prime shift service hours:
 - A) Within 100 miles of a TI Service Center, a base installation charge of \$60.00 per terminal for purchased terminals will be charged. A lease upgrade charge of \$110.00 per terminal (which includes installation) will be charged. Outside 100 miles, add to base charge \$0.15 per mile over 100 miles each way and \$40.00 per hour of travel time.
 - B) For purchased equipment the installation of additional options, or options on multiple terminals on the same call at the same location, the installation charge is \$25.00 per option per terminal. On leased terminals, the \$110.00 lease upgrade charge applies to each option installed, regardless of quantity. Also, on leased equipment, a minimum balance of one year from date of installation is required.

GENERAL NOTES

- All prices are F.O.B. Stafford or Austin, Texas. Destination charge for delivery from field office is \$25.00 per unit. Equipment normally shipped, best way, air freight collect, unless otherwise specified on order.
 - Supplies and accessories not included in equipment prices; must be specified separately on purchase order.
 - Paper prices are for quantities shipped at the same time, F.O.B. paper facility or TI location. Twelve-month contract price for shipment of minimum of six pallets in 12-month period; minimum shipment is one pallet, with price adjusted to next higher price if minimum six pallets not shipped in 12-month contract period.
 - Sales tax, duty and federal/local use tax not included in prices.
 - Quantity discounts will be quoted upon request.
 - Minimum order is \$25.00
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Texas Instruments reserves the right to make price changes at any time as required in supplying the best product possible.

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