

1 GHz HI-Q DIGITAL SPLITTERS - HORIZONTAL 2, 3 AND 4 PORT SERIES

MARATHON series of splitters provides exceptional value, outstanding performance and high reliability for two-way digital broadband systems.

The Horizontal Series offers high performance in 15-42MHz and 50-1000MHz paths while offering full compliance to the SCTE 6Kv, F-port interface, low intermodulation and isolation performance criteria.

Additional features include enhanced 180° contacts, waterproof sealed ports to 15 psi, SMT high reliability and a very stable nickel alloy plated zinc cast housing.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARS1002H	2 - way , 1 GHz Horizontal splitter	EA	200/25	42.9/5.4
MARS1003H	3 - way, 1 GHz Horizontal splitter	EA	200/25	49.5/6.2
MARS1003BH	3 - way, 1 GHz Horizontal balanced splitter	EA	200/25	49.5/6.2
MARS1004H	4 - way , 1 GHz Horizontal splitter	EA	200/25	50.0/6.3
MARS1002HP	2 - way , 1 GHz Horizontal splitter with single port power pass	EA	200/25	42.9/5.4
MARS1003HP	3 - way, 1 GHz Horizontal splitter with single port power pass	EA	200/25	49.5/6.2
MARS1003BHP	3 - way , 1 GHz Horizontal balanced splitter with single port power pass	EA	200/25	49.5/6.2
MARS1004HP	4 - way , 1 GHz Horizontal splitter with single port power pass	EA	200/25	50.0/6.3



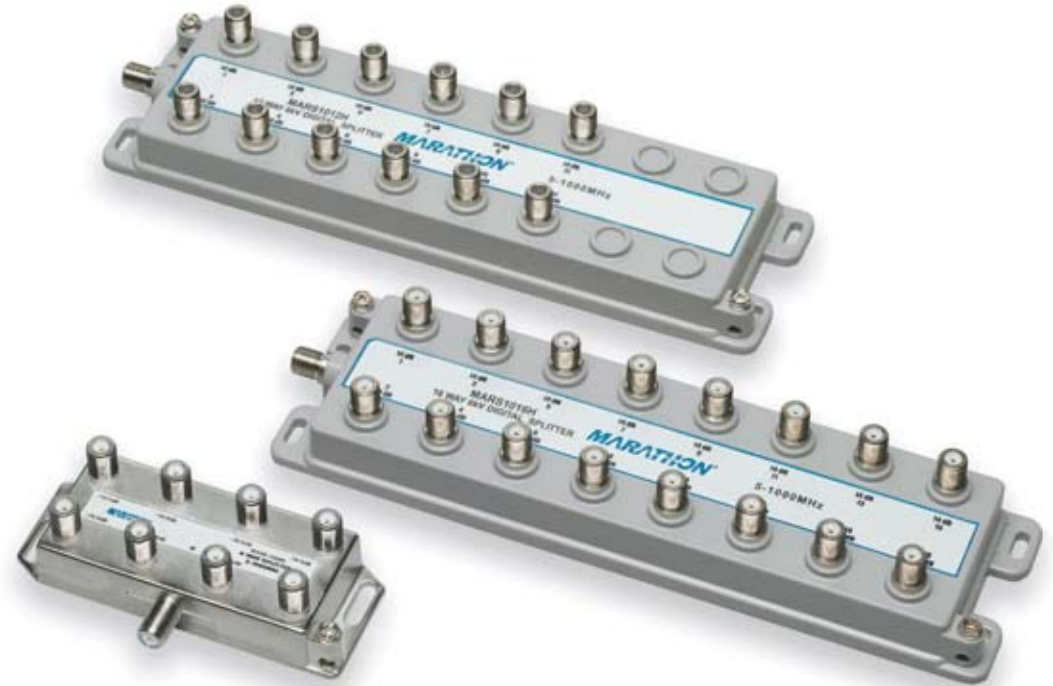
1 GHz HI-Q DIGITAL SPLITTERS - HORIZONTAL 8, 12 & 16 PORT SERIES

MARATHON series of splitters provides exceptional value, outstanding performance and high reliability for two-way digital broadband systems. Ideal for high reliability headend, node and MDU splitting and combining applications.

MARATHON 8, 12 & 16 port Horizontal Series offers high performance in 15-42MHz and 50-1000MHz paths while offering full compliance to the SCTE 6Kv, F-port interface, low intermodulation and isolation performance criteria.

Additional features include enhanced 180° contacts, waterproof sealed ports to 15 psi and SMT high reliability.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARS1008H	8 - way , 1 GHz Horizontal input splitter	EA	100/25	35.2/8.8
MARS1012H	12 - way , 1 GHz Horizontal input splitter	EA	20/5	24.5/1.2
MARS1016H	16 - way , 1 GHz Horizontal input splitter	EA	20/5	27.5/1.3



1 GHz HI-Q DIGITAL SPLITTERS - VERTICAL 2, 3, 4, 6 & 8 PORT SERIES

MARATHON series of splitters provides exceptional value, outstanding performance and high reliability for two-way digital broadband systems.

MARATHON Vertical Series offers high performance in 15-42MHz and 50-1000MHz paths while offering full compliance to the SCTE 6Kv, F-port interface, low intermodulation and isolation performance criteria.

Additional features include enhanced 180° contacts, waterproof sealed ports to 15 psi, SMT high reliability and a very stable nickel alloy plated zinc cast housing.

The new Universal mount series has an additional mounting tab allowing right angle mounting as well as the vertical mount. The new mounting tabs are designed with a slip on mounting feature so the splitter can be slipped off without removing the screws enabling easy access to all ports at all times.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARS1002V	2 - way, 1 GHz Vertical splitter	EA	200/25	33.6/4.2
MARS1003V	3 - way, 1 GHz Vertical splitter	EA	200/25	44.0/5.5
MARS1003BV	3 - way, 1 GHz Vertical balanced splitter	EA	200/25	44.0/5.5
MARS1004V	4 - way, 1 GHz Vertical splitter	EA	200/25	44.8/5.6
MARS1006V	6 - way, 1 GHz Vertical splitter	EA	100/25	38.2/4.7
MARS1008V	8 - way, 1 GHz Vertical splitter	EA	100/25	40.0/10.0
MARS1002U	2 - way, 1 GHz Universal mount splitter	EA	200/25	33.6/4.2
MARS1003U	3 - way, 1 GHz Universal mount splitter	EA	200/25	44.0/5.5
MARS1003BU	3 - way, 1 GHz Universal mount balanced splitter	EA	200/25	44.0/5.5
MARS1004U	4 - way, 1 GHz Universal mount splitter	EA	200/25	44.8/5.6
MARS1008U	8 - way, 1 GHz Universal mount splitter	EA	100/25	40.0/10.0



1 GHz HI-Q DIGITAL DIRECTIONAL COUPLERS “T” & WALL PLATE TYPE” L” – SINGLE PORT SERIES

MARATHON series single port couplers are available in a “T”-type and a wall plate right angle mount series. The high isolation coupler design makes this series ideal for dedicated IP and VoIP applications for the headend and subscriber. MARDC’s are designed specifically for outstanding performance and value in high performance and high reliability two-way digital broadband systems.

MARATHON DC Series offers high performance in 15-42MHz and 50-1000MHz paths while offering full compliance to the SCTE 6Kv, F-port interface, low intermodulation and isolation performance criteria.

Additional features include enhanced 180° contacts, waterproof sealed ports to 15 psi, SMT high reliability and a very stable nickel alloy plated zinc cast housing.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARDC11**L	Single Port Directional Coupler, Wall Plate, L-type, 1 GHz	EA	200/25	48.4/6.0
MARDC11**T	Single Port Directional Coupler, T-type, 1 GHz	EA	200/25	46.6/5.8

**** Specify dB Value at: 04, 06, 09, 12, 16, 20, 24, 27 or 30 dB**

MARFAM - INLINE F-PORT ATTENUATOR

MARATHON In-line F-port Attenuators provide specified levels of attenuation in any passive 5MHz – 1GHz RF signal path. With the Female F to Male F design, these can be located anywhere in line to provide the desired levels to all devices.

The MARFAMs were designed for fine tuned flat attenuation with very stable RF pass and reliability in mind. The functional design includes many features like a nickel plated brass body and swivel head, a nickel plated and full gauge entry pin, SCTE approved flat face F-port interface and concise attenuation marking.



Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARFAM**	Attenuator, 1 GHz In-line Female F to Male F	EA	2000/100/10	50/2.5/.25

****Specify dB Value at: 01, 02, 03, 06, 09, 12, 16 or 20dB**

LOCKING TERMINATORS

MARATHON offers a high quality series of Locking Terminators to protect your system from unauthorized use of your service. The design utilizes a high quality aluminum tooled body for strength and durability for harsh environments. Available with a 75ohm RF termination and models without resistor, these units are used for tap port protection, securing subscriber or MDU enclosures and many other F port security points. The MARTPT Series is compatible with the Gilbert GGTT4 and GGTT7 tools.

Additional features include optional or prepackaged seals, convenient 10 pack quantity packaging and high quality brass F port interface.

Part Number	Description	U/M	Std. Pkg. Qty.	Pkg. Wt. (lbs)
MARTPT59	Terminator, Locking, 1/2watt 75ohm	EA	2000/100/10	57/2.8/28
MARTPT59LR	Terminator, Locking, without resistor	EA	2000/100/10	57/2.8/28
MARTPT59S	Terminator, Locking, 1/2watt 75ohm, with seals installed	EA	2000/100/10	62/3.1/31
MARTPT59SLR	Terminator, Locking, without resistor, with seals installed	EA	2000/100/10	72/3.6/36
MARTPTSR1/2	Seal, Neoprene, Terminator to tap port	EA	2000/100	8.0/50
MARSR1/4	Seal, Neoprene, Universal F-port, 1/4" long	EA	2000/100	7.3/36
MARSR3/8	Seal, Neoprene, Universal F-port, 3/8" long	EA	2000/100	7.3/36
MARSR1/2	Seal, Neoprene, Universal F-port, 1/2" long	EA	2000/100	7.7/40



POWER INSERTER

MARATHON Power Inserter is designed to insert power on the coaxial cable to remotely power drop amplifiers where no available power supply is located next to the amplifier.

- Zinc Die-cast housing for superior strength and stability.
- Convenient standard F port power and RF connections with enhanced 180° contacts for improved contact surface and retention.
- Integrated ground block for #10 - #6 AWG ground wires.
- Low insertion loss.
- Standard 12-18VDC power handling for most industry drop amplifiers
- SMT design for high reliability and consistent performance.
- RFI shielding greater than 120dB.
- Clearly marked durable label for installation



Part Number	Description	U/M	Std. Pkg. Qty.
MARDAPI	Power Inserter, 1000 MHz	EA	200/25