



Low PIM Components & D.A.S. Equipment

Unequal Splitters/Tappers

Power Divider/Combiners

DC Blocks & Bias Tees

Directional Couplers

Cables & Adapters

Terminations



www.e-MECA.com

Low PIM Components
& D.A.S. Equipment
Supplement

Issue #3



About MECA Electronics, Inc.

From Public Safety & Wireless to 5G & VSAT/SATCOM Millimeter-Wave Products

For over 57 years MECA Electronics (Microwave Equipment & Components of America) has served the RF/Microwave Industry with equipment and passive components operating up to 50 GHz, featuring products manufactured in the United States of America with a 36-month warranty!

MECA, as a leader in RF components and manufacturing recognizes the growing and expanding needs of our customers for higher frequency, smaller packaging and improved efficiency. MECA offers a family of High Quality Components to address these needs. Our components are specifically engineered to support the following market segments: Public Safety, Commercial Wireless including Rail & Transportation industries, 5G ready, Millimeter-Wave, Space, Defense markets. The portfolio includes Power Dividers, Couplers, Attenuators, Terminations, Isolators/Circulators, Bias Tee's & DC blocks. Available in a variety of connector styles; SMA, N, BNC, TNC, 7/16, 4.1/9.5, 4.3/10.0, 2.92 & 2.4 mm interfaces covering up to 50 GHz.

Public Safety / Rail & Transportation - Applications

Components and Equipment are designed for the challenging environmental conditions of the public safety, rail and transportation industries. Many of our products meet IP 67/68 ratings and are subjected to harsh winters (extremely low temperatures and Road Salt) and summers (hot and humid) under public safety applications. Others are subjected to jet fuel in airport applications. Our Rail products meets EN50155 "Railway Applications & Electronic Equipment used on rolling stock" which defines a variety of environmental, safety and performance criteria such as; vibration, shock, thermal cycling and various fuels/chemical exposures. These products Feature components encased in a NEMA 4 Stainless Steel enclosure fully capable of withstanding the harshest of environments.

Commercial Wireless - Applications

Low PIM Products and Equipment covering the 0.380-2.7 GHz range with industry leading PIM Specification as well as non-Low PIM components and equipment covering even broader frequency ranges to GHz. Featuring IP67/68 Low PIM Terminations/Attenuators with low thermal noise with no deration of power handling capacity to 85 C, thereby eliminating the need for increased ratings for greater field reliability and reduced serviceability cost(s). DAS Equipment Solutions are provided using our components. Additionally, we offer value added solutions incorporating our customer parts with our own or adding other custom parts that need to be fabricated or kitted.

5G & VSAT/SATCOM Millimeter-Wave Components

Featuring Power Divider and Couplers covering 6-40 GHz with 2.92 & 2.4 mm interfaces along with supporting components such as Attenuators, Terminations, Bias Tee's, DC blocks and adapters. With octave & mulita-octave units covering 1-18 GHz with SMA interfaces all built by J-Standard certified Assemblers & Technicians. Many of our VSAT applications overlap into Defense Markets as noted below.

Aerospace, Defense & Space - Applications

Building upon 5G & VSAT Millimeter-Wave MECA also has extensive experience in Aerospace & Defense qualified components. With a variety of items in ground, air & space based communions where testing, qualifications and traceability requirements are essential & required. Featuring the ML series; designed to meet applicable portions of MIL-DTL-23971, MIL-DTL-15370, MIL-DTL-39030E and MIL-STD-202. The models are available with our standard screening process which incorporates a level of thermal screening combined with verification of electrical and mechanical performance features. Additionally they are available with enhance levels of screening for qualification and verification applications as required.

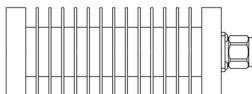
MECA continues to be a leading designer and manufacture of RF & Microwave Components and Equipment, rugged and reliably made in the USA since 1961. MECA is a ISO9001:2015 registered corporation.

Low PIM Loads



Max Power (Watts)	Series	Connector	Freq (GHz)	PIM (dBc) Typ	L" x OD"
10	LPT10-NM	N-M	0.380 - 2.700	<-170*	6.11 x 1.25
10	LPT10-NF	N-F	0.380 - 2.700	<-170*	6.13 x 1.25
10	LPT10-DM	7/16 DIN-M	0.380 - 2.700	<-170*	6.71 x 1.63
10	LPT10-DF	7/16 DIN-F	0.380 - 2.700	<-170*	6.30 x 1.63
10	LPT10-4310M	4.3/10.0-M	0.380 - 2.700	<-170*	6.14 x 1.25
10	LPT10-4310F	4.3/10.0-F	0.380 - 2.700	<-170*	6.14 x 1.25
10	LPT10-NM-M01	N-M	0.380 - 6.000	<-170*	6.21 x 1.25
10	LPT10-DM-M01	7/16-M	0.380 - 6.000	<-170*	6.71 x 1.63
10	LPT10-4310M-M01	4.3/10.0-M	0.380 - 6.000	<-170*	6.14 x 1.25
30	LPT30-NM	N-M	0.380 - 2.700	<-161	6.30 x 2.25
30	LPT30-NF	N-F	0.380 - 2.700	<-161	6.38 x 2.25
30	LPT30-DM	7/16 DIN-M	0.380 - 2.700	<-161	6.76 x 2.25
30	LPT30-DF	7/16 DIN-F	0.380 - 2.700	<-161	7.17 x 2.25
30	LPT30-4310M	4.3/10.0-M	0.380 - 2.700	<-161	6.39 x 2.25
30	LPT30-4310M-M01	4.3/10.0-M	0.380 - 6.000	<-161	6.39 x 2.25
50	LPTC50-NM	N-M	0.380 - 2.700	<-161	6.30 x 2.25
50	LPTC50-NF	N-F	0.380 - 2.700	<-161	6.38 x 2.25
50	LPTC50-DF	7/16 DIN-F	0.380 - 2.700	<-161	6.76 x 2.25
50	LPTC50-DM	7/16 DIN-M	0.380 - 2.700	<-161	7.17 x 2.25
50	LPTC50-4310M	4.3/10.0-M	0.380 - 2.700	<-161	6.39 x 3.00
50	LPTC50-4310F	4.3/10.0-F	0.380 - 2.700	<-161	6.39 x 3.00
50	LPTC50-NM-M01	N-M	0.380 - 6.000	<-161	6.36 x 3.00
50	LPTC50-DM-M01	7/16-M	0.380 - 6.000	<-161	6.76 x 3.00
50	LPTC50-4310M-M01	4.3/10.0-M	0.380 - 6.000	<-161	6.39 x 3.00
100	LPTC100-NM	N-M	0.380 - 2.700	<-165	9.30 x 3.00
100	LPTC100-NF	N-F	0.380 - 2.700	<-161	9.38 x 3.00
100	LPTC100-DM	7/16 DIN-M	0.380 - 2.700	<-161	9.76 x 3.00
100	LPTC100-DF	7/16 DIN-F	0.380 - 2.700	<-161	9.35 x 3.00
100	LPTC100-4310M	4.3/10.0-M	0.380 - 2.700	<-161	9.39 x 3.00
100	LPTC100-4310F	4.3/10.0-F	0.380 - 2.700	<-161	9.39 x 3.00
100	LPTC100-NM-M01	N-M	0.380 - 6.000	<-161	9.30 x 3.00
100	LPTC100-DM-M01	7/16-M	0.380 - 6.000	<-161	9.76 x 3.00
100	LPTC100-4310M-M01	4.3/10.0-M	0.380 - 6.000	<-161	9.39 x 3.00
250	LPT250-NM	N-M	0.380 - 2.700	<-161	12.80 x 4.00
250	LPT250-NF	N-F	0.380 - 2.700	<-161	12.88 x 4.00
250	LPT250-DM	7/16 DIN-M	0.380 - 2.700	<-161	13.26 x 4.00
250	LPT250-DF	7/16 DIN-F	0.380 - 2.700	<-161	12.85 x 4.00

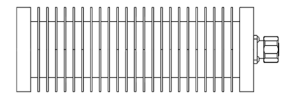
* Tested based on maximum power dissipation



LPT30-NM



LPT50-DM



LPTC100-MDM

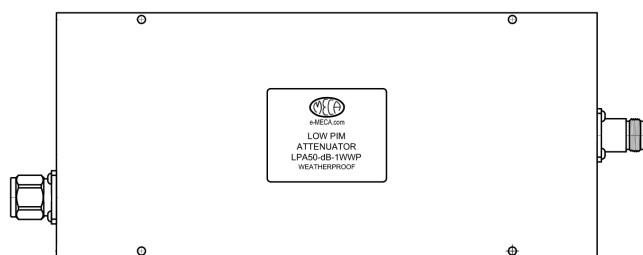




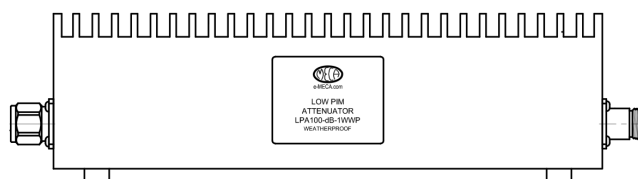
Low PIM Attenuators

Series	Max Power	Attenuation Value (dB)	Freq (GHz)	Connector *	PIM Typ	L" x D" x W"
LPA50-dB-1WWP	50	3,6,10,20 & 30	0.698 - 2.700	N-M to N-F	<-161	11.94 x 4.35 x 6.4
LPA50-dB-11WWP	50	3,6,10,20 & 30	0.698 - 2.700	7/16 DIN M to 7/16 DIN-F	<-161	12.31 x 4.35 x 6.4
LPA50-dB-14WWP	50	3,6,10,20 & 30	0.698 - 2.700	4.1/9.5 M to 4.1/9.5 F	<-161	11.73 x 4.35 x 6.4
LPA50-dB-17WWP	50	3,6,10,20 & 30	0.698 - 2.700	4.3/10.0 M to 4.3/10.0 F	<-161	11.73 x 4.35 x 6.4
LPA100-dB-1WWP	100	3,6,10,20 & 30	0.698 - 2.700	N-M to N-F	<-161	12.84 x 4.75 x 11.0
LPA100-dB-11WWP	100	3,6,10,20 & 30	0.698 - 2.700	7/16 DIN M to 7/16 DIN-F	<-161	13.21 x 4.75 x 11.0
LPA100-dB-14WWP	100	3,6,10,20 & 30	0.698 - 2.700	4.1/9.5 M to 4.1/9.5 F	<-161	12.63 x 4.75 x 11.0
LPA100-dB-17WWP	100	3,6,10,20 & 30	0.698 - 2.700	4.3/10.0 M to 4.3/10.0 F	<-161	12.63 x 4.75 x 11.0
LPA50-dB-1WWP-M01	50	6,10,20 & 30	0.380 - 3.800	N-M to N-F	<-161	11.94 x 4.35 x 6.4
LPA50-dB-17WWP-M01	50	6,10,20 & 30	0.380 - 3.800	4.3/10.0 M to 4.3/10.0 F	<-161	11.73 x 4.35 x 6.4
LPA100-dB-1WWP-M01	100	6,10,20 & 30	0.380 - 3.800	N-M to N-F	<-161	12.84 x 4.75 x 11.0
LPA100-dB-17WWP-M01	100	6,10,20 & 30	0.380 - 3.800	4.3/10.0 M to 4.3/10.0 F	<-161	12.63 x 4.75 x 11.0

* Other configurations are available upon request.



LPA50-dB-1WWP



LPA100-dB-1WWP



LPA50-dB-17WWP



LPA100-dB-17WWP

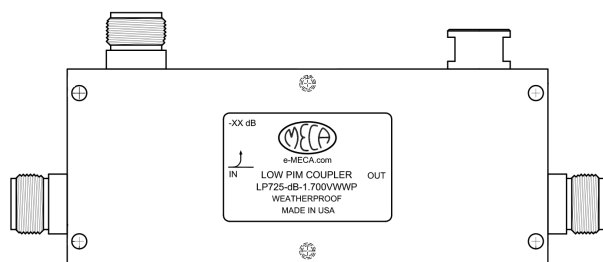


Low PIM Couplers / Splitters

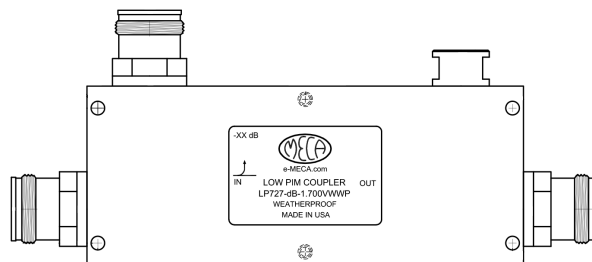


Low PIM Couplers

Series	Freq (GHz)	Power	Coupling (dB)	Connector	PIM (dBc) Typ	L"x W"x H"
LP715-dB-1.650W	0.800 - 2.500	500	15, 20, 30 & 40	N-Female	<-153	4.65 x 0.88 x 2.25
LP725-dB-1.700VWWP	0.698 - 2.700	300	3, 6, 10, 20, 30 & 40	N-Female	<-155	6.18 x 1.24 x 2.63
LP727-dB-1.700VWWP	0.698 - 2.700	300	3, 6, 10, 20, 30 & 40	4.3/10.0-Female	<-155	6.74 x 1.24 x 2.91



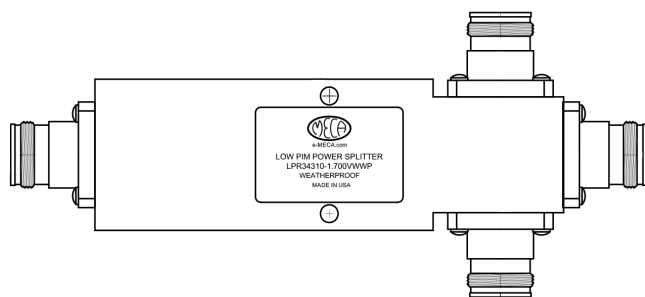
LP725-dB-1.700VWWP



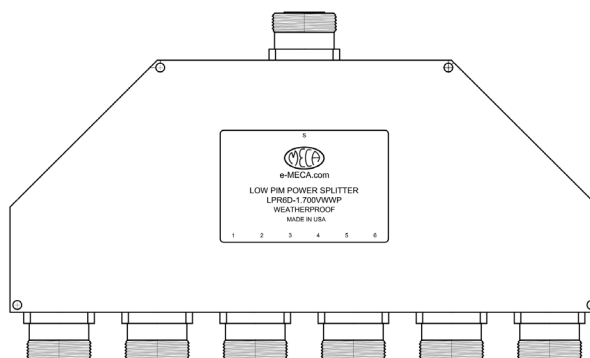
LP727-dB-1.700VWWP

Low PIM Power Splitters

Series	Split	Freq (GHz)	Connector	Power (Watts)	L"x W"x H"
LPR2N-1.900-M01WWP	2-way	0.698 - 2.700	N-F	500	2.73 x 0.87 x 6.03
LPR24310-1.700VWWP	2-way	0.698 - 2.700	4.3/10.0 F	700	3.37 x 1.60 x 6.56
LPR24310-1.700VWWP-M01	2-way	0.698 - 2.700	4.3/10.0 F	700	3.37 x 1.60 x 7.56
LPR2D-1.900-M01WWP	2-way	0.698 - 2.700	7/16 DIN-F	700	3.01 x 1.60 x 6.38
LPR2D-1.700VWWP	2-way	0.698 - 2.700	7/16 DIN-F	500	3.13 x 1.60 x 6.72
LPR34310-1.700VWWP	3-way	0.698 - 2.700	4.3/10.0 F	700	3.37 x 1.60 x 7.56
LPR34310-1.700VWWP-M01	3-way	0.698 - 2.700	4.3/10.0 F	500	4.63 x 1.60 x 7.00
LPR3N-1.900-M01WWP	3-way	0.698 - 2.700	N-F	500	2.73 x 0.87 x 6.07
LPR3D-1.900-M01WWP	3-way	0.698 - 2.700	7/16 DIN-F	700	3.01 x 1.60 x 7.70
LPR3D-1.700VWWP	3-way	0.698 - 2.700	7/16 DIN-F	500	4.63 x 1.60 x 6.72
LPR4D-1.700VWWP	4-way	0.698 - 2.700	7/16 DIN-F	500	7.00 x 1.60 x 5.08
LPR6D-1.700VWWP	6-way	0.698 - 2.700	7/16 DIN-F	500	10.50 x 1.60 x 6.22



LPR34310-1.700VWWP



LPR6D-1.700VWWP



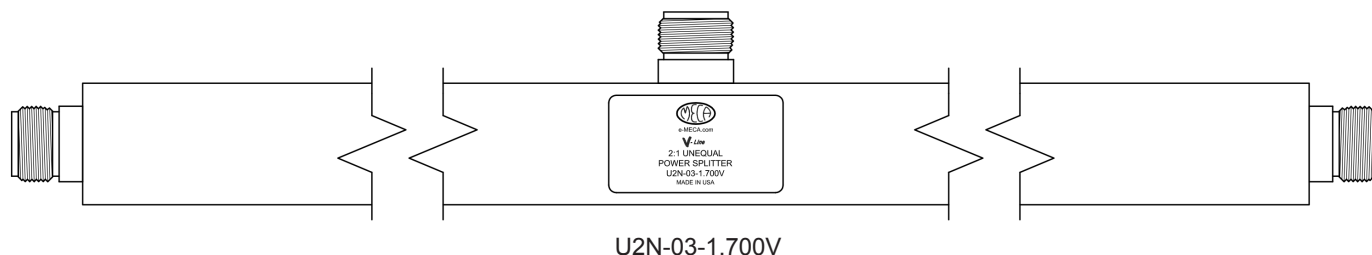


Low PIM Divider/Tappers

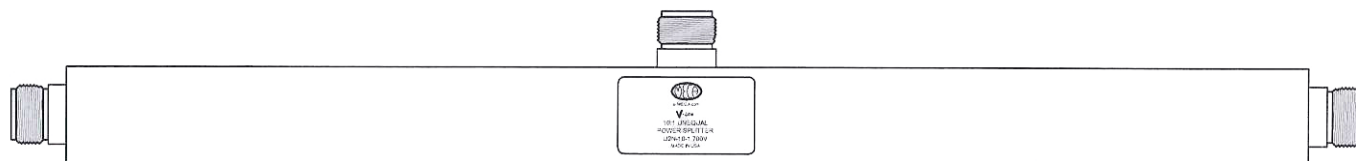
Series	Split Ratio / Coupling	Freq (GHz)	Connector	PIM (dBc) Typ	Power	L" x W x H"
U2N-03-1.700V	2:1 / 3.0 dB	0.698 - 2.700	N-F	<-155	300	14.25 x 1.59 x 1.00
U2N-05-1.700V	3:1 / 4.8 dB	0.698 - 2.700	N-F	<-155	300	14.25 x 1.59 x 1.00
U2N-06-1.700V	4:1 / 6.1 dB	0.698 - 2.700	N-F	<-155	300	14.25 x 1.59 x 1.00
U2N-08-1.700V	6:1 / 7.8 dB	0.698 - 2.700	N-F	<-155	300	14.25 x 3.19 x 1.00
U2N-09-1.700V	8:1 / 9.0 dB	0.698 - 2.700	N-F	<-155	300	14.25 x 1.59 x 1.00
U2N-10-1.700V	10:1 / 10.0 dB	0.698 - 2.700	N-F	<-155	300	14.25 x 1.59 x 1.00

Series	Split Ratio / Coupling	Freq (GHz)	Connector	PIM (dBc) Typ	Power	L" x W x H"
LPU2N-03-1.700VWWP	2:1 / 3.0 dB	0.698 - 2.700	N-F	<-161	300	14.25 x 1.59 x 1.00
LPU2N-05-1.700VWWP	3:1 / 4.8 dB	0.698 - 2.700	N-F	<-161	300	14.25 x 1.59 x 1.00
LPU2N-06-1.700VWWP	4:1 / 6.1 dB	0.698 - 2.700	N-F	<-161	300	14.25 x 1.59 x 1.00
LPU2N-08-1.700VWWP	6:1 / 7.8 dB	0.698 - 2.700	N-F	<-161	300	14.25 x 3.19 x 1.00
LPU2N-09-1.700VWWP	8:1 / 9.0 dB	0.698 - 2.700	N-F	<-161	300	14.25 x 1.59 x 1.00
LPU2N-10-1.700VWWP	10:1 / 10.0 dB	0.698 - 2.700	N-F	<-161	300	14.25 x 1.59 x 1.00

Weatherproof - IP67



U2N-03-1.700V



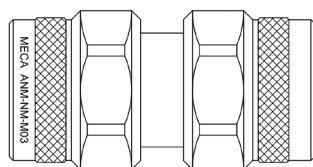
LPU2N-10-1.700VWWP



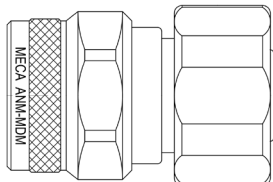
Low PIM Adapters



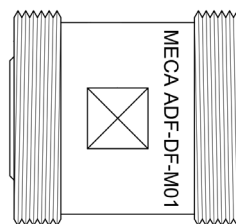
Series	Freq (GHz)	Connector	PIM (dBc) Typ	L" x OD"
ANM-NM-M03	Hz - 12.4	N-M to N-M	<-165	1.60 x 0.812
ARNM-NF-M01	Hz - 11.0	N-M to N-F	<-160	1.45 x 1.32
ANF-NF-M02	Hz - 12.4	N-F to N-F	<-165	1.75 x 0.66
ANM-SM-M03	Hz - 18.0	N-M to SMA-M	<-160	1.29 x 0.812
ANM-SF-M02	Hz - 12.4	N-M to SMA-F	<-160	1.24 x 0.812
ANF-SM-M02	Hz - 11.0	N-F to SMA -M	<-160	1.36 x 0.67
ANF-SF-M02	Hz - 18.0	N-F to SMA-F	<-160	1.32 x 067
ADM-DM-M01	Hz - 8.0	7/16-M to 7/16-M	<-165	1.37 x 1.88
ADF-DF-M01	Hz - 8.0	7/16-F to 7/16-F	<-165	1.14 x 1.25
ADM-DF-M01	Hz - 8.0	7/16-M to 7/16-F	<-165	1.57 x 1.25
ANM-DF-M01	Hz - 8.0	N-M to DIN-F	<-160	1.95 x 1.25
ANF-DF-M01	Hz - 7.5	N-F to 7/16-F	<-160	1.14 x 1.95
ANF-DM-M01	Hz - 8.0	N-F to 7/16-M	<-165	1.37 x 2.27
ANM-DM-M01	Hz - 8.0	N-M to 7/16-M	<-160	1.37 x 1.95
ANF-SM-M01	Hz - 12.4	N-F to SMA-M	<-165	1.60 x 0.82
ANF-SF-M01	Hz - 12.4	N-F to SMA-F	<-165	1.60 x 0.82
ANM-SM-M01	Hz - 12.4	N-M to SMA-M	<-165	1.60 x 0.82
ANM-SF-M01	Hz - 12.4	N-M to SMA-F	<-165	1.60 x 0.82
ADM-SM-M01	Hz - 8.0	7/16 DIN-M to SMA-M	<-160	1.37 x 1.95
ADM-SF-M01	Hz - 8.0	7/16 DIN-M to SMA-F	<-160	1.37 x 1.95
ADF-SM-M01	Hz - 8.0	7/16 DIN-F to SMA-M	<-160	1.37 x 1.95
ADF-SF-M01	Hz - 8.0	7/16 DIN-F to SMA-F	<-160	1.37 x 1.95
ANM-MDM	Hz - 14.0	N-M to 4.1/9.5 M	<-160	1.37 x 0.86
ANM-MDF	Hz - 14.0	N-M to 4.1/9.5 F	<-160	1.60 x 0.86
ANF-MDM	Hz - 14.0	N-F to 4.1/9.5 M	<-160	1.69 x 0.92
ANF-MDF	Hz - 14.0	N-F to 4.1/9.5 F	<-160	1.93 x 4.1/9.5
ADM-MDM	Hz - 8.0	7/16 DIN-M to 4.1/9.5-M	<-160	1.37 x 4.1/9.5
ADF-MDM	Hz - 8.0	7/16 DIN-F to 4.1/9.5-M	<-160	1.48 x 0.92
ADM-MDF	Hz - 8.0	7/16 DIN-M to 4.1/9.5-F	<-160	2.03 x 1.37
ADF-MDF	Hz - 8.0	7/16 DIN-F to 4.1/9.5-F	<-160	1.71 x 4.1/9.5



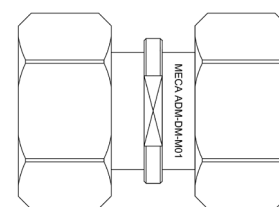
ANM-NM-M03



ANM-MDM



ADF-DF-M01



ADM-DM-M01





Low PIM Assemblies

SMA-Male to SMA-Male

Series	Freq (GHz)	Connector	PIM (dBc) Typ	L"
LPCSM-SM-36-M09	Hz - 6.0	SMA-Male to SMA-Male	<-155	36
LPCSM-SM-72-M09	Hz - 6.0	SMA-Male to SMA-Male	<-155	72

N-Male to N-Male

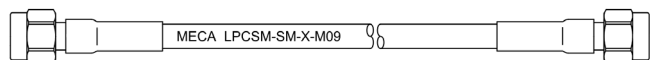
Series	Freq (GHz)	Connector	PIM (dBc) Typ	L"
LPCNM-NM-36-M09	Hz - 6.0	N-Male to N-Male	<-155	36
LPCNM-NM-72-M09	Hz - 6.0	N-Male to N-Male	<-155	72

SMA-Male to N-Male

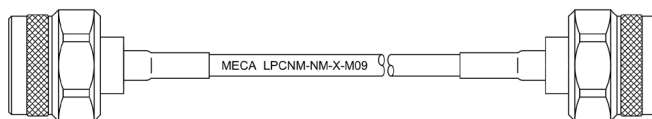
Series	Freq (GHz)	Connector	PIM (dBc) Typ	L"
LPCSM-NM-36-M09	Hz - 6.0	SMA-Male to N-Male	<-155	36
LPCSM-NM-72-M09	Hz - 6.0	SMA-Male to N-Male	<-155	72

4.3/10.0-Male to 4.3/10.0-Male

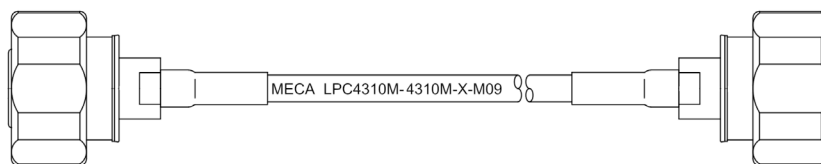
Series	Freq (GHz)	Connector	PIM (dBc) Typ	L"
LPC4310-4310-36-M09	Hz - 6.0	4.3 / 10.0 Male to Male	<-155	36
LPC4310-4310-72-M09	Hz - 6.0	4.3 / 10.0 Male to Male	<-155	72



LPCSM-SM-X-M09



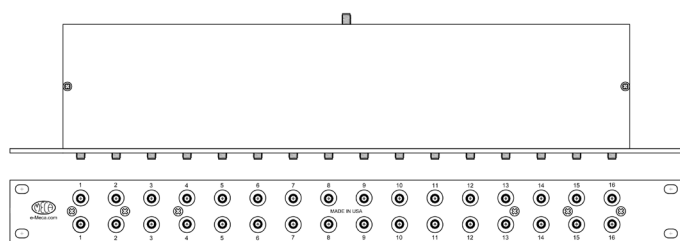
LPCNM-NM-X-M09



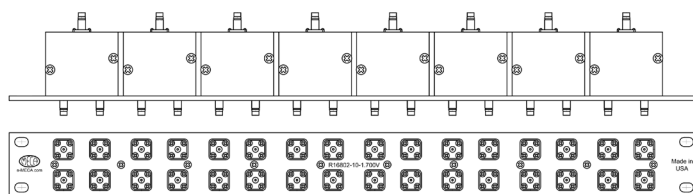
LPC4310M-4310M-X-M09



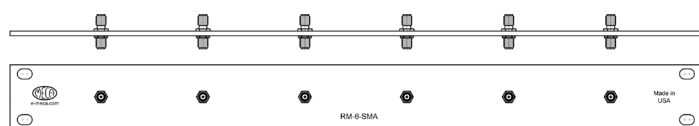
Catalog No	Description	# of Dividers	Freq (GHz)	R U
R2806-S-1.900-M01	Rack Mount 6-way SMA	2	0.800 - 3.000	1
R2808-2-1.700V	Rack Mount 8-way SMA	2	0.698 - 2.700	1
R2808-8-1.700V	Rack Mount 8-way BNC	2	0.698 - 2.700	1
R2816-S-1.900-M01	Rack Mount 16-way SMA	2	0.800 - 3.000	1
R4806-4-1.700V	Rack Mount 6-way N	4	0.698 - 2.700	1
R4808-2-1.700V	Rack Mount 8-way SMA	4	0.698 - 2.700	1
R4808-2-3.300-M01	Rack Mount 8-way SMA	4	0.600 - 6.000	1
R6808-10-1.700V	Rack Mount 8-way QMA	6	0.698 - 2.700	2
R10802-2-3.300	Rack Mount 2-way SMA	10	0.600 - 6.000	1
R16802-10-1.700V	Rack Mount 2-way QMA	16	0.698 - 2.700	1
R8804-2-3.300	Rack Mount 2-way SMA	8	0.600 - 6.000	1
R16804-10-1.700V	Rack Mount 2-way QMA	16	0.698 - 2.700	2
POI-dB	D.A.S. POI Combiner Assembly	-	0.698 - 2.700	2
Catalog No	Description	Connector	Freq (GHz)	Size
BM-6-SMA	Bracket Mount Patch Panel x 6	SMA-Female	12.4	11.8 x 1.6 x 1.5
BM-12-SMA	Bracket Mount Patch Panel x 12	SMA-Female	12.4	18 x 1.6 x 1.5
RM-6N	Rack Mount Patch Panel x 6	Type N-Female	DC-11.000	1 Ru
RM-10N	Rack Mount Patch Panel x 10	Type N-Female	DC-11.000	1 Ru
RM-12N	Rack Mount Patch Panel x 12	Type N-Female	DC-11.000	1 Ru
RM-6-SMA	Rack Mount Patch Panel x 6	SMA-Female	Hz - 12.4	1 Ru
RM-12-LPN	Rack Mount Patch Panel x 12	Type N-Female	Hz-11.000	1 Ru
RM-16-N	Rack Mount Patch Panel x 16	N-Female	Hz-11.000	1 Ru
RM-16-SMA	Rack Mount Patch Panel x 16	SMA-Female	Hz - 12.4	1 Ru
RM-18-4310F	Rack Mount Patch Panel x 18	Type 4.3/10.0	Hz - 6.0	3 Ru
RM-24N	Rack Mount Patch Panel x 24	N-Female	Hz-11.000	2 Ru
RM-32N	Rack Mount Patch Panel x 32	N-Female	Hz-11.000	4 Ru
WM-120-LP7/16	Wall Mount Patch Panel x 120	7/16 DIN-Female	DC-7.5	39.5 x 31



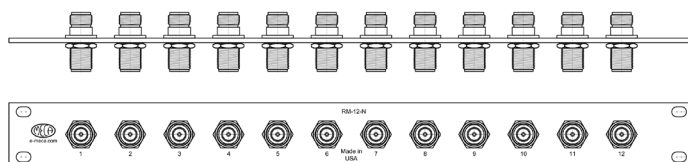
R2816-S-1.900-M01



R16802-10-1.700V



RM-6-SMA



RM-12N





Terms and Conditions

1) Quotations

Unless otherwise specified, all quotations are valid for a period of 90 days.

2) How to Order

When placing an order, please state both the catalog number and description. For example: 715-20-1.500V, coupler, 20 dB, and 0.8 - 2.2 GHz. If any custom features are required, please contact our Application Engineers and a special part number will be assigned. Orders may be placed factory direct or through a MECA sales representative in your area. Orders will be accepted via phone, fax, e-mail or on-line pending receipt of a confirming purchase order (when applicable).

3) Payment Terms

MECA accepts VISA, MasterCard and American Express. Net 30 days for customers with established accounts. International orders are prepaid in advance of shipment. In addition, a minimum deposit of 30% is required at order inception. All orders funded with credit cards are invoice and charged at order inception. Orders greater than \$10,000.00 require a minimum deposit of 30% at order inception.

4) Minimum Orders

The minimum order accepted is \$100 domestic and \$500 international.

5) Delivery

Delivery is based on the prevailing conditions at the time of quotation or order. Agreements as to delivery are subject to contingencies of fire, accident, or cause of delay beyond the control of MECA Electronics, Inc.

6) Shipping

All sales are F.O.B. Denville, NJ. When mode of transportation is not specified, shipment will be made via the best carrier using our discretion.

Preferred Methods of Shipment:

1. UPS ground, UPS 3-day air (orange), UPS 2-day air (blue), and next-day air (red).
2. Federal Express economy, standard or priority one.
3. UPS international services: UPS worldwide expedited (blue), UPS express (red).
4. Federal Express international services.

7) Quality Assurance

MECA Electronics, Inc. is an ISO 9001:2008 certified company, certified by Intertek.

8) Source Inspection

If source inspection is required, a surcharge of \$1,200.00 per day per type of inspection is applicable. For example, if both customer and government source inspections are required, then there would be a charge of \$1,200.00 for the customer inspection and a separate, additional charge of \$1,200.00 for the government inspection.

9) Warranty

MECA Electronics, Inc. warrants products of its manufacture to be free from defects in material and workmanship under conditions of normal use. If within 36 months of delivery, and after prepaid return by the owner, any MECA product that is found to be defective, MECA shall, at its option, repair or replace the defective item. This warranty does not apply to products that have been disassembled, misused, modified or subjected to conditions exceeding the applicable specifications or ratings. MECA reserves the right to make design changes, without notice, on any of its products without any obligation to make same or similar changes to items previously purchased. In no event does MECA assume liability for installation labor or for consequential damages. This warranty is the extent of the obligation or liability assumed by MECA, with respect to products, and no other warranty or guarantee is either expressed or implied.

Terms and Conditions



10) Past Warranty Period

MECA Electronics, Inc. products that have exceeded the 36 month warranty period and are returned to the factory for repair shall be repaired or replaced at a determined cost billed to the customer. The customer shall receive an estimate of the repair cost prior to effecting repairs.

11) Returned Material

All returned items are inspected upon receipt for quantity, physical condition and electrical function. All claims for shortage must be made within thirty (30) days of date of shipment from MECA's facility. Title to goods passes to the buyer upon delivery to carrier, and risk of loss or damage shall thereafter rest with the buyer. The buyer must make claims for damage or loss while material is in transit. Returned products will not be accepted without a Return Material Authorization (RMA) number. This number may be obtained by calling our Customer Service Department (see below). Freight charges for returned material are the responsibility of the buyer. In addition, an evaluation fee will be charged to the buyer to cover inspection and testing cost for any item returned by the buyer that is found to be within specifications and/or otherwise deemed to be within the terms of the original purchase.

12) Cancelled Orders/Restocking Charge

Cancelled orders and/or returned items are subject to a 25% restocking charge (of sale price) or a \$125.00 minimum charge per item (whichever is greater) for standard catalog items. This charge may vary at the discretion of MECA Electronics, Inc. depending on the amount of materials on order at the time of cancellation and the resulting cancellation charges from our supply chain. All sales are final for non-catalog items.

13) Federal Manufacturing Code: 22424

14) MECA Electronics, Inc. Contact Information

For Sales, Applications, Warranty, and Returns, contact MECA Electronics' Customer Service Department at 973-625-0661.

15) Return Address

MECA Electronics, Inc.

Attention: RMA#XXXXX*
459 East Main Street,
Denville, NJ 07834-2515
Phone # (973)-625-0661

*Please note that no returns will be accepted without an RMA number



MECA Electronics, Inc.

459 E. Main St.

Denville, NJ 07834

T: 973-625-0661

F: 973-625-9277

sales@e-MECA.com

www.e-MECA.com